Material Safety Data Sheet

Revision Issued: 5/12/99 Supercedes: 5/08/90 First Issued: 4/10/87

Section I - Chemical Product And Company Identification

Product Name: Gauging Solution

CAS Number: 7786-30-3 HBCC MSDS No. CD02500

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Section II - Composition/Information On Ingredients

		Exposure Limits (TWAs) in Air		
Chemical Name	CAS Number	ACGIH TLV	OSHA PEL	STEL
Magnesium Chloride	7786-30-3	N/A	N/A	N/A

Section III - Hazard Identification

Routes of Exposure: Ingestion, inhalation, skin, eyes
Summary of Acute Health Hazards
Ingestion: Possible nausea and vomiting. Ingestion of large amounts (greater than 0.1 pound) can cause gastrointestinal upset and irritation of the stomach.
Inhalation: Mist or spray may be irritating, but not likely to cause injury.
Skin: May cause minor irritation.
Eyes: Slight irriation and may cause minor transient corneal injury.
Summary of Chronic Health Hazards: N/A
Signs and Symptoms of Exposure: N/A
Effects of Overexposure: May cause gastrointestinal discomfort, nausea and vomiting.
Medical Conditions Generally Aggravated by Exposure: N/A
Note to Physicians: N/A

Section IV - First Aid Measures

Ingestion: Low toxicity. Induce vomiting if large quantities are ingested. Get Immediate Medical Attention.
Inhalation: Remove to fresh air. Get Medical Attention.
Skin: If necessary, remove contaminated clothing and shoes. Flush affected areas with plenty of water.
Eyes: Promptly flood with water and continue washing for at least 15 minutes. Consult an ophthalmologist.

Section V - Fire Fighting Measures

Flash Point: None

Autoignition Temperature: N/A

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Unusual Fire and Explosion Hazards: May emit toxic fumes in fire.

Extinguishing Media: Media suitable for surrounding fire.

Special Firefighting Procedures: Use a self-contained breathing apparatus if temperature exceeds 572°F.

Section VI - Accidental Release Measures

No special precautions. Sweep up and return to container. Contain spills to prevent contamination of water supply or sanitary sewer system. Dispose of according to local requirements.

Section VII - Handling and Storage

Practice reasonable care and caution. Avoid breathing dust if generated. Material is deliquescent, so may cake with long term storage. This is only a detriment to handling of the material - No Hazard Entailed.

Other Precautions: Incompatible with sulfuric and nitric acids, caustics, ammonia, and cyanides.

Section VIII - Exposure Controls/Personal Protection

Respiratory Protection: An approved dust respirator is recommended.
Ventilation: Provide adequate ventilation.
Protective Clothing: Impervious gloves
Eye Protection: Safety glasses
Other Protective Clothing or Equipment: N/A
Work/Hygienic Practices: Wash thoroughly with soap and water after handling, and before eating, drinking, smoking, or using toilet facilities.

Section IX - Physical and Chemical Properties

Physical State: Liquid

pH: N/A

Melting Point/Range: N/A

Boiling Point/Range: 225°F

Appearance/Color/Odor: Slightly viscous, brown or yellow liquid with no odor

Solubility in Water: Miscible

Vapor Pressure(mmHg): N/A

Specific Gravity(Water=1): 1.18

Molecular Weight: N/A

Vapor Density(Air=1): N/A

% Volatiles: 80%

How to detect this compound : N/A

Section X - Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: Can be aggressively corrosive to metals.

Materials to Avoid: Metals will experience slight corrosion over time. Incompatible with sulfuric and nitric acids, caustics, ammonia, and cyanides. A hazardous reaction involving magnesium chloride and 2-furan percarboxylic acid has been reported.

Hazardous Decomposition Products: Hydrogen chloride at well over 1400°C. Slow heating may release free chlorine gas above 572°F. Avoid contact with strong acids, as chlorine gas may evolve. Under normal applications, decomposition should not occur.

Section XI - Toxicological Information

N/A

Section XII - Ecological Information

N/A

Section XIII - Disposal Considerations

Wash residue away with large excess of water. Dispose of large amounts in accordance with applicable local, county, state and federal regulations.

Section XIV - Transport Information

DOT Proper Shipping Name: N/A
DOT Hazard Class/ I.D. No.: N/A

Section XV - Regulatory Information

Reportable Quantity: N/A
NFPA Rating: Health - 1; Fire - 0; Reactivity - 0
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme
Carcinogenicity Lists: No **NTP:** No **IARC Monograph:** No **OSHA Regulated:** No

Section XVI - Other Information

Synonyms/Common Names: Magnesium Chloride
Chemical Family/Type: Magnesium Chloride Liquid

IMPORTANT! Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.