



# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**METAL SPRAY LF**  
 Product Number: 2824

Product Division:  
**IPG**

**Spartan Chemical Company, Inc.**  
 1110 Spartan Drive  
 Maumee OH 43537

Product/Technical Information: **1-(800)-537-8990**  
 Medical Emergency: **1-(888)-314-6171 (24 hours)**  
 Chemical Leak/Spil Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Cleaning compounds, liquid, n.o.s.

NFPA Ratings:	HMIS Ratings:
<b>Health:</b> 1- Slight <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal	<b>Health:</b> 1- Slight <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal <b>Pers. Prot. Equip.:</b> See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Triethanolamine	10-15	102-71-6	5 (ACGIH)	Not Established	Not Established	No
Alkoxylated linear alcohol	1-5	37251-67-5	Not Established	Not Established	Not Established	No
Alkoxylated isopropanolamide	1-5	64175-88-8	Not Established	Not Established	Not Established	No
Neodecanoic acid	1-5	26896-20-8	Not Established	Not Established	Not Established	No
Boric acid	1-5	10043-35-3	15 (as dust)	Not Established	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: 212 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 8.8-9.1	Specific Gravity (H <sub>2</sub> O=1): 1.03
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 18-20
Physical State: Liquid	
Appearance & Odor: Amber liquid, bland odor	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 212°F	Method Used: ASTM-D56
Flammable Limits: N/A	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire.	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Combustion products are toxic.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Skin Contact, Eyes and Oral
Effects of Overexposure- Conditions to Avoid:	<b>May cause eye irritation:</b> Symptoms may include pain, redness, swelling and tearing <b>May cause skin irritation:</b> Symptoms may include pain, redness and swelling. <b>May be harmful if swallowed:</b> Symptoms may include nausea, vomiting, pain and diarrhea. <b>Inhalation of product mist may cause respiratory irritation:</b> Symptoms may include coughing and difficulty breathing. Contains triethanolamine which may cause skin sensitization with repeated contact. Repeated overexposure to triethanolamine may cause liver and kidney damage. Contains sodium borate which has demonstrated reproductive and developmental effects when ingested by animals in high amounts. No chronic health effects are expected from the intended use of this product. <b>Avoid contact with eyes, skin or clothing. Do not taste or swallow. Avoid breathing product mist. Wash thoroughly after handling.</b>		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.		

**Emergency & First Aid Procedures :**

Eyes:	Flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.
Ingestion:	Do not induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	In case of respiratory irritation or dizziness; move person to fresh air. Get medical attention if irritation persists.

**SECTION VI: REACTIVITY DATA**

Stability:	Stable	Incompatible Materials:	None known
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide	Hazardous Polymerization:	Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for recovery or disposal. Keep spill out of storm sewers and waterways.
Waste Disposal Method:	Dispose of in compliance with all federal, state and local laws and regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not normally required when good general ventilation is provided. However if respiratory irritation occurs; the use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Rubber or other impervious gloves
Eye Protection(Specify Type):	Splash goggles are recommended to prevent eye contact.
Other Protective Equipment:	See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Keep out of reach of children
Other Precautions:	Do not freeze

© SCC 09/22/2008	Name: Ronald T. Cook	Title: Manager, Regulatory Affairs
<b>METAL SPRAY LF</b>	Effective Date: 09/22/2008	Supercedes: 11/30/2005
Ref: 29 CFR 1910.1200 (OSHA)	Changes: Review	

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