



# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**WAFFLE IRON CLEANER**  
Product Number: 3198

Product Division:  
**Special Order**

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/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Corrosive liquids, n.o.s., 8, UN 1760, III (contains potassium carbonate)

NFPA Ratings:	HMIS Ratings:
Health: 3 - Serious Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: 3 - Serious Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: 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>	
Triethylene glycol	20-25	112-27-6	Not Established	Not Established	Not Established	No
Triethanolamine	10-15	102-71-6	5 (ACGIH)	Not Established	Not Established	No
Potassium carbonate	1-5	584-08-7	Not Established	Not Established	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: 255 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 12.0-13.0	Specific Gravity (H <sub>2</sub> O=1): 1.130
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 40-45
Physical State: Liquid	
Appearance & Odor: Light yellow liquid, mild odor	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 255 °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: Products of combustion are toxic. Heating in air may produce irritating aldehydes, acids, and ketones.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes & Oral
Effects of Overexposure:	<b>CORROSIVE:</b>		
Conditions to Avoid:	<b>Causes eye burns:</b> Causes severe eye damage or irritation with symptoms of pain, redness and chemical burns. Eye contact may cause blindness. <b>Causes skin burns:</b> Causes severe skin irritation with symptoms of pain, redness and chemical burns. Harmful contact may not cause immediate pain. <b>Harmful if swallowed:</b> Causes damage or chemical burns to esophagus and mucous membranes with symptoms of pain, nausea, vomiting and diarrhea. <b>Harmful if inhaled:</b> Breathing product vapors, mist or fumes caused by heating may cause irritation or damage of the respiratory tract, with symptoms of nasal discomfort and discharge with chest pain and coughing. Contains triethanolamine which may cause an allergenic skin reaction in a small proportion of individuals. Repeated overexposure to triethanolamine may cause liver and kidney damage. <b>Do not get in eyes, on skin or on clothing. Do not breathe product vapors, mist or fumes caused by heating (such as when product is applied to hot surface). Do not swallow. Use with adequate ventilation. 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:	Immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.
Skin:	Remove contaminated clothing and shoes. Flush skin with water for at least 15 minutes. Get medical attention. Wash contaminated clothing before reuse. Destroy contaminated shoes.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting. Drink one or two glasses of water to dilute product. Do not give anything by mouth to an unconscious person.
Inhalation:	In case of respiratory irritation; move person to fresh air. Get medical attention.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

This product contains triethylene glycol which may have a mechanism of intoxication similar to ethylene glycol.

**SECTION VI: REACTIVITY DATA**

Stability:	Stable	Incompatible Materials:	Oxidizing agents; acids
Hazardous Decomposition Products:	Carbon dioxide, Carbon monoxide, aldehydes, acids, and ketones.	Hazardous Polymerization:	Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery and disposal. Keep spill out of sewers and open bodies of water.
Waste Disposal Method:	Dispose of in compliance with all Federal, state and local laws and regulations. Incineration is the preferred method.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not expected to be required when good general ventilation is provided. If exposure limits (see Section II) are exceeded or respiratory irritation occurs, 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):	Butyl rubber, neoprene rubber, polyvinyl chloride (PVC) or other impervious gloves. Use gloves with insulation for thermal protection when needed.
Eye Protection(Specify Type):	Splash goggles are recommended to prevent contact.
Other Protective Equipment:	Use of impervious apron, boots, face shield and other protective equipment should be considered in order to prevent or minimize contact with this product. Eye wash stations and washing facilities should be readily accessible in areas where product is handled.. See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Keep from freezing. Keep container closed when not in use.
Other Precautions:	Keep out of reach of children.

© SCC 10/12/2010

Name: Ronald T. Cook  
Effective Date: 10/12/2010

Title: Manager, Regulatory Affairs

**WAFFLE IRON CLEANER**

Ref: 29 CFR 1910.1200 (OSHA)

Changes:

New Product

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.