



Spartan Chemical Company, Inc.

Material Safety Data Sheet

whse use only on freezer

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):
FREEZER CLEANER FP
 Product Number: 3128

Product Division:
Janitorial

*Spartan Freezer
 Cleaner FP*

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)**

*Warehouse
 stock*

Shipping Description:		Cleaning compounds, liquid, n.o.s.			
NFPA Ratings:		HMIS Ratings:			
Health:	2 - Moderate	Health:	2 - Moderate		
Fire:	2 - Moderate	Fire:	2 - Moderate		
Reactivity:	0 - Minimal	Reactivity:	0 - Minimal		
		Pers. Prot. Equip.:	See Section VIII		

ONLY!

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)	% W	CAS Registry No.	Table Z-1 - A			NTP, IARC or OSHA Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
Propylene glycol	30-40	57-55-6	Not Established	Not Established	Not Established	No
*Diethylene glycol monobutyl ether	15-20	112-34-5	Not Established	Not Established	Not Established	No
Isopropyl alcohol	5-10	67-63-0	980	1225	Not Established	No

Comment: *This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA

Boiling Point:	210 °F	Vapor Pressure:	Unknown
Vapor Density (AIR = 1):	Unknown	Solubility in Water:	Complete
pH:	10.0-11.0	Specific Gravity (H ₂ O=1):	1.00
Evaporation Rate (but.ace.=1):	<1	Percent Solid by Weight:	50-60
Physical State:	Liquid		
Appearance & Odor:	Clear liquid, alcohol odor		

▼ SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point:	110-115°F	Method Used:	ASTM-D56
Flammable Limits:	N/A	Flame Extension:	N/A
Extinguishing Media:	Water, carbon dioxide or dry chemical.		
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:	Combustible liquid and vapor. Keep away from heat, sparks and flame. 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:	<p>Causes eye irritation: Symptoms may include pain, redness, swelling and tearing</p> <p>Causes skin irritation: Symptoms may include pain, redness and swelling.</p> <p>May be harmful if swallowed: Symptoms may include nausea, vomiting, pain and diarrhea.</p> <p>Inhalation of product vapor or mist may cause respiratory irritation: Symptoms may include coughing and difficulty breathing.</p> <p>Do not get in eyes, on skin or clothing. Do not taste or swallow. Avoid breathing product vapors or mist. Wash thoroughly after handling.</p>		
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. Flush skin with water for at least 15 minutes. 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:	Strong oxidizers
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 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:	Combustible liquid and vapors. Keep away from heat, sparks and flame. Keep container closed when not in use. Use only with adequate ventilation.
Other Precautions:	Keep out of reach of children

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FREEZER CLEANER FP

Name: Ronald T. Cook
Effective 07/18/2005
Date:

Title: Manager, Regulatory Affairs
Supersedes: 11/14/2000

Ref: 29 CFR 1910.1200 (OSHA) Changes: Update Sections II, IV, V VII, VIII & IX

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whse use only

Informative Bulletin

FREEZER CLEANER FP

PRODUCT DESCRIPTION:

Freezer Cleaner FP is a heavy duty formula designed to clean floors, walls and equipment in sub-freezing cold storage and freezer areas without the need for defrosting.

WHAT MAKES IT WORK?

A unique solvent-detergent blend, Freezer Cleaner FP, contains solvents to depress the freezing point and cut grease as well as detergents to emulsify and penetrate surface soils. The result is quick removal of soils without the need for defrosting.

CONVENIENT

Ready to use. No need to mix. Eliminates employee confusion. Helps reduce liability claims.

ECONOMICAL

Freezer Cleaner FP may be diluted up to 1:1 - 1:5 for use at temperatures above -6.7°C / 20°F for greatest economy.

VERSATILE

Use in conjunction with auto scrubbers, rotary floor machines, or manual cleaning (spray, mop, or sponge).

NO OFFENSIVE ODOR

SURFACE SAFE

Does not harm most metals or concrete. Leaves no slippery residue.

ENVIRONMENTALLY RESPONSIBLE

Formulated with concern for the environment, Freezer Cleaner FP is biodegradable. No perfume. No dyes.

Directions for Use:

Some individuals may be sensitive to ingredients in this product. Before use, read product label and MSD sheet. If questions remain, consult your employer or a physician.

Do not mix with chemicals not specified on the product label.

In concentrate, Freezer Cleaner FP is suitable for use at temperatures down to -20°F. In less extreme environments, better economies can be obtained by diluting Freezer Cleaner FP. At a two-parts Freezer Cleaner FP - to - one-part water (2:1) dilution ratio it can be used down to -20°F. A 1:1 dilution is suitable for temperatures down to 0°F. **Do not rinse.** Remove soiled solution with wet vac, squeegee or dry

cloth. Do not use on food contact surfaces.

Automatic Scrubbers: Fill tank with properly diluted product. Lay down solution with scrubbing action. Allow solution to remain on surface for 5 minutes. Rescrub.

Rotary Floor Machine: Apply solution by spray or mop and let soak for five minutes. Scrub well.

Manual Cleaning: Apply cleaner by spray, mop or sponge. Follow with aggressive double brushing or scrubbing.

WARNING: Combustible Liquid and Vapors. Flash Point: 110-115F.

Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation.

Harmful if swallowed. Causes eye and skin irritation. May cause respiratory irritation. Do not get in eyes or on skin. Do not swallow. Avoid breathing product vapor or mist.

First Aid: Eyes -- In case of contact, immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.

Skin -- For skin contact, immediately flush with water for 15 minutes. If irritation persists, get medical attention.

Ingestion -- Do not induce vomiting. If swallowed, drink 1 or 2 glasses of water to dilute. Get immediate medical attention.

Inhalation -- In case of respiratory irritation or dizziness, move person to fresh air. If irritation persists, get medical attention.

Keep away from children.

SPECIFICATIONS:

Form -- Liquid

Color -- Clear

Specific Gravity -- 1.00 @ 24°C / 75°F

pH -- 10.0 -- 11.0

Stability --

a. Shelf @ 24°C / 75°F -- 1 year minimum

b. Accelerated @ 49°C / 120°F -- 60 days minimum

PACKAGING:

Freezer Cleaner FP is packaged in DOT-approved 275 gallon totes; recyclable HDPE 55, 30, 15-gallon drums and 5-gallon pails. Label copy is available in English and Spanish. Secondary labels are also available.

GUARANTEE:

Spartan's modern manufacturing and laboratory controls insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture. Use product as directed and read all precautionary statements.

Some materials may require special handling or application. Please refer to the appropriate Material Safety Data Sheet, literature and label.

SCC 1/04