



SUB-ZERO

NON-FLAMMABLE FREEZER CLEANER

FOOD SERVICE PRODUCTS

DESCRIPTION: BRILLIANT'S Sub-Zero is a non-flammable freezer cleaner specially formulated with a blend of glycols, alcohols and wetting agents designed for easy and cost-effective cleaning of freezers. This ready-to-use formula efficiently cleans floors, walls, and equipment in sub-freezing areas in temperatures to -5° F. Helps in melting existing ice formations and will not damage concrete or leave slippery residues.

DIRECTIONS:

- Apply **Sub-Zero** by spray, mop, or sponge on walls, floor, surface, etc. of freezer and allow to stand at least 5 minutes for cleaner to penetrate dirt and grime. Follow by aggressive brushing or scrubbing.
- Pick up soiled solution with wet vacuum, mop, or by wiping off with a cloth or sponge.
- For light cleaning of chill boxes and refrigerators, or milder temperatures, dilute **Sub-Zero** with an equal amount of water. Spray on surface to be cleaned and wipe off with a cloth or sponge.
- For extra stubborn dirt and grime, scrub surface with aggressive brush as steel wire, then wipe clean.
- **Sub-Zero** may be applied using automatic scrubber or conventional rotary floor machine.

PACKAGING:

<u>SIZE</u>	<u>CATALOG #</u>
12/1 quart case	64101812
4/1 gallon case	64101804
5 gallon pail	64101805
15 gallon drum	64101815
30 gallon drum	64101830
55 gallon barrel	64101855

PRODUCT SPECIFICATIONS

Appearance:	Clear Liquid
Color:	Clear
Odor:	Solvent
pH:	12.00 - 13.00
Specific Gravity:	1.000 -1.020
Viscosity:	<10

ISO 9001:2000 Certified
Certificate No. 2049



BRILLIANT PRODUCTS
P. O. Box 1425 Avon Park, FL 33826
Phone: 863-452-3872 Fax: 863-452-3878



CONTROLLED

Issue Date: 05/15/08
Form PB641018B, Rev (C)

MATERIAL SAFETY DATA SHEET

Prepared By: R. Gomez

(Prepared According to 29 CFR 1910.1200)

Effective Date: 01/31/07

SECTION 1- PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Sub-Zero Generic Name: Non-Flammable Freezer Cleaner Product Group: Food Service Products	Manufacturer's Name: BRILLIANT PRODUCTS BOX 1425 AVON PARK, FL 33826 Phone #: (813)-890-6594
--	---

SECTION 2- INGREDIENT INFORMATION

CHEMICAL NAME	CAS#	WT%	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100	N/A	N/A	N/A
Propylene Glycol	57-55-6	<25%	N/A	N/A	N/A
Glycol Ether EB	111-76-2	<15%	N/A	N/A	N/A
Nonionic Surfactant	9016-45-9	<5%	N/A	N/A	N/A
Caustic Potash	1310-58-3	<1%	N/A	N/A	N/A

No Components, in excess of 0.1% by weight are listed as carcinogens by IARC, NTP or OSHA

SECTION 3- PHYSICAL DATA

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Boiling Point: 212° F Vapor Pressure: 20mm Hg @ 68°F % Volatile: 95% Solubility in Water: Complete Physical Description: Clear liquid with characteristic odor.	Specific Gravity: 1.000 - 1.020 Vapor Density (Air=1): >1 pH: 12.0 - 13.0 Evaporation Rate (Water=1): < 1	Flash Point: N/A Upper Explosion Limits: N/A Extinguishing Media: N/A Special Firefighting Procedures: Non-Flammable Unusual Fire/Explosion Hazards: N/A	Lower Explosion Limits: N/A
--	--	---	------------------------------------

SECTION 5- REACTIVITY DATA

Stability: Stable Hazards Decomposition Products: Will not occur.	Hazardous Polymerization: None Incompatibility (Materials to Avoid): Strong acids and oxidizers
--	--

SECTION 6- STORAGE AND HANDLING INFORMATION

Avoid contact with eyes, skin and clothing. Wear rubber gloves and protective eyewear when handling. Avoid breathing of mists. Harmful if swallowed. Use in well ventilated area. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only.

SECTION 7- HEALTH HAZARDS AND FIRST AID

SECTION 8- SPECIAL PROTECTION INFORMATION

Effects of Overexposure Skin: Repeated exposure to large amounts may result in absorption through the skin, which may cause damage to kidneys and depression of the CNS. Eyes: May be slightly irritating to the eyes. Inhalation: May be irritating to mucous membranes of the nose, throat, and lungs. Excessive amounts may cause damage to kidneys or CNS depression. First Aid Procedures Skin: Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation persists. Eyes: Flush with large quantities of water. Seek medical attention. Inhalation: Get to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms persists. Ingestion: Induce vomiting immediately. Seek medical attention immediately.	Respiratory Protection: No special requirements Ventilation Requirements: Provide local exhaust to keep TLV of section 2 ingredients below acceptable limit. Protective Gloves: Chemical resistant rubber or neoprene. Eye Protection: Chemical splash goggles or full-face shield when handling. Other Protective Equipment: Eyewash station should be provided nearby.
	SECTION 9-SPILL OR LEAK PROCEDURES
	Cleanup Procedure for Spills: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways. Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of in storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III – Section 311/312 – Hazard Categories: Fire: No Sudden Release of Pressure: No Reactivity: No Acute (IMMEDIATE) Health Hazard: Yes Chronic (DELAYED) Health Hazard: Yes	Shipping Information: Shipping Name: Compounds, Cleaning Liquid Containers >1 gallon: Cleaning Compound. Containers 1 gallon: Cleaning Compound. Containers <1 gallon: Cleaning Compound	HMS Hazardous Material Identification System	
		Health	2
		Flammability	0
		Reactivity	0
For emergency and medical help line, call INFOTRAC at 1-800-535-5053 , 24 hours a day, 7 days a week for information on all our products and/or MSDS. Obtain an MSDS at our customer service number: (813)-890-6594 .		Personal Protection	D

SECTION 11- OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts No responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept NO liability for damages or loss incurred from the improper handling and use of this product.