
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

FRIGI-KLEEN**MSDS ID: 07235**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FRIGI-KLEEN
PRODUCT DESCRIPTOR: FREEZER FLOOR CLEANER
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

II. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME(CAS NUMBER)	%	EXPOSURE LIMITS	UNITS
DIETHYLENE GLYCOL METHYL ETHER (111-77-3)	<40	NONE ESTABLISHED	
MONOETHANOLAMINE (141-43-5)	<20	TLV 3; PEL 3; STEL 6	MG/M3

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: NO
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN
IRRITATION.
CHRONIC: SAME AS ACUTE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
NONE

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET
MEDICAL ATTENTION.
SKIN: WASH OFF WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. GET
IMMEDIATE MEDICAL ATTENTION.
INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN.
IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. GET
IMMEDIATE MEDICAL ATTENTION.

V. FIRE FIGHTING MEASURES

FLASH POINT: 185	DEG F	FLAME EXTENSION: N/A	IN.
FLAMMABLE LIMITS IN AIR BY VOLUME:		LEL: N/A	UEL: N/A
UNUSUAL FIRE OR EXPLOSION HAZARDS:		NONE KNOWN	
EXTINGUISHING MEDIA:		CO2, DRY CHEMICALS	
FIRE FIGHTING INSTRUCTIONS:		WEAR PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS IN FIRE AREA. USE WATER SPRAY TO COOL CONTAINER.	

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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: FOR SMALL SPILLS, FLUSH TO DRAIN. FOR LARGE SPILLS, VENTILATE AREA. EXTINGUISH ALL SOURCES OF IGNITION, COLLECT AND RETURN TO CONTAINER. DIKE AREA TO CONTAIN SPILL. PUMP LIQUID TO SUITABLE CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE ACID. FLUSH TO SANITARY SEWER.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: STORE IN COOL, DRY LOCATION. DO NOT USE NEAR OPEN FLAME OR SPARKING EQUIPMENT. KEEP CONTAINER CLOSED WHEN NOT IN USE.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: SAFETY GLASSES
PROTECTIVE GLOVES: RUBBER GLOVES
RESPIRATORY PROTECTION: NONE
OTHER PROTECTIVE CLOTHING/EQUIPMENT: RUBBER BOOTS
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 300 SPECIFIC GRAVITY: 0.9640
VOLATILE BY VOLUME: 90 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 1 AT 20 C
APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID; GLYCOL ETHER ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: STRONG OXIDIZERS
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND NITROGEN
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE CONTAINER WITH WATER. REMOVE OR DEFACE CONTAINER LABEL BEFORE SELLING OR DISPOSAL. PRODUCT CONTAINS NO PHOSPHATES. ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.

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XIV. TRANSPORT INFORMATION

HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING NAME:

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:

THIS PRODUCT CONTAINS DIETHYLENE GLYCOL METHYL ETHER, CAS #111-77-3) AT 40% IN THE FORMULATION. THIS INGREDIENT IS SARA REPORTABLE.

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 1 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: C

STATE RIGHT-TO-KNOW INFORMATION:

DIETHYLENE GLYCOL METHYL ETHER - CAS #111-77-3

MONOETHANOLAMINE - CAS #141-43-5

PROPYLENE GLYCOL - CAS # 57-55-6

NONYLPHENOX POLYETHOXY GLYCOL - CAS #9016-45-9

XVI. OTHER INFORMATION

THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED OTHER THAN AS RECOMMENDED BY DIVERSEY LEVER OR IN COMBINATION WITH OTHER MATERIALS. IT IS THE USER'S RESPONSIBILITY TO EVALUATE THE APPLICABILITY OF THIS INFORMATION FOR HIS PARTICULAR CONDITIONS OF STORAGE, HANDLING AND USE.