
MATERIAL SAFETY DATA SHEET

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

MINEGARD FREEZE-FREE**MSDS ID: 01195**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MINEGARD FREEZE-FREE
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
CONTAINS PROPYLENE GLYCOL AND OTHER INGREDIENTS LISTED AS NON-HAZARDOUS BY OSHA UNDER 29 CFR 1910.1200	<60	NONE ESTABLISHED	

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: NO
SKIN: NO
INGESTION: NO
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: MAY CAUSE EYE IRRITATION.
CHRONIC: SAME AS ACUTE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

IV. FIRST AID MEASURES

EYES: FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. IF IRRITATION
PERSISTS, GET MEDICAL ATTENTION.
SKIN: FLUSH WITH WATER.
INGESTION: DRINK WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.
INHALATION: Remove to fresh air.

V. FIRE FIGHTING MEASURES

FLASH POINT: NONE	DEG F	FLAME EXTENSION: N/A	IN.
FLAMMABLE LIMITS IN AIR BY VOLUME:		LEL: N/K	UEL: N/K
UNUSUAL FIRE OR EXPLOSION HAZARDS:		NONE KNOWN	
EXTINGUISHING MEDIA:		CARBON DIOXIDE, DRY CHEMICAL	
FIRE FIGHTING INSTRUCTIONS:		WEAR PROTECTIVE GEAR AND SELF CONTAINED BREATHING APPARATUS IN FIRE AREA.	

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: MOP UP SMALL SPILL INTO BUCKET OF WATER.
FLUSH TO SANITARY SEWER SYSTEM WITH WATER. DIKE LARGE SPILL. PUMP LIQUID TO
SUITABLE CONTAINER. FLUSH RESIDUE TO SANITARY SEWER SYSTEM WITH PLENTY OF
WATER.

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VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: STORE IN COOL, DRY LOCATION. KEEP CONTAINER CLOSED WHEN NOT IN USE.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: NOT REQUIRED FOR NORMAL USE
PROTECTIVE GLOVES: NOT REQUIRED FOR NORMAL USE
RESPIRATORY PROTECTION: NONE
OTHER PROTECTIVE CLOTHING/EQUIPMENT: NONE FOR NORMAL USE
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 220 SPECIFIC GRAVITY: 1.0380
VOLATILE BY VOLUME: 54 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 8 AT 20 C
APPEARANCE AND ODOR: CLEAR, PINK, THIN LIQUID; NO ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: TRIPLE RINSE CONTAINER WITH COLD WATER, THEN DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

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:
NONE
LISTED CARCINOGEN: NONE

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XV. REGULATORY INFORMATION (Cont.)

NTP: NO IARC: NO OSHA: NO
HMIS RATINGS: HEALTH: 1 FIRE: 0 REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: X
STATE RIGHT-TO-KNOW INFORMATION:
WATER - CAS #7732-18-5
SODIUM METASILICATE - CAS #6834-92-0
PROPYLENE GLYCOL - CAS #57-55-6

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.