

DATE PREPARED: JULY, 1999

BLUE GEL PRODUCTS

DATE REVISED: DECEMBER 13, 2000

MATERIAL SAFETY DATA SHEET



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

USER CODE/IDENTIFICATION:

PRODUCT NAME:

PRODUCT CODE:

JACK FROST COOL ONLY GEL PACK

61115

JACK FROST REUSEABLE MICRO HOT/COLD

70204

JACK FROST GEL REUSABLE MICRO HOT/COLD

70302

JACK FROST GEL REUSABLE INSULATED HOT/COLD

80102

JACK FROST GEL REUSABLE INSULATED HOT/COLD

80204

JACK FROST GEL REUSABLE INSULATED HOT/COLD

80302

JACK FROST GEL REUSABLE INSULATED HOT/COLD

80600

JACK FROST GEL PACK WITH 703 GEL PACK

120301

JACK FROST 801 GEL PACK W/SLEEVE BULK

8104-88

JACK FROST 802 GEL PACK W/SLEEVE BULK

8204-88

JACK FROST 803 GEL PACK W/SLEEVE BULK

8304-88

FIRST CARE INSULATED GEL 6"X9"

FCI-2000

TIKOOR

DR55

JACK FROST GEL REUSEABLE MICRO HOT/COLD

70210

JACK FROST GEL REUSABLE MICRO HOT/COLD

70304

JACK FROST GEL REUSABLE INSULATED HOT/COLD

80104

JACK FROST GEL REUSABLE INSULATED HOT/COLD

80210

JACK FROST GEL REUSABLE INSULATED HOT/COLD

80304

JACK FROST GEL REUSABLE INSULATED HOT/COLD

80701

FLAWA VERSATILE GEL  
080104

JACK FROST 801 GEL PACK WITH SLEEVE & INSERT  
8104-89

JACK FROST 802 GEL PACK WITH SLEEVE & INSERT  
8204-89

JACK FROST 803 GEL PACK WITH SLEEVE & INSERT  
8304-89

NOVA+ REUSABLE INSULATED GEL PACK  
V80104

**MANUFACTURER:**

ALLEGIANCE HEALTHCARE CORPORATION  
1500 WAUKEGAN ROAD  
MCGAW PARK, IL 60085

1-800-964-5227 (CUSTOMER SERVICE 8:00 A.M. TO 4:30 P.M. CST M-F)

**FOR EMERGENCY INFORMATION CONTACT:**

3E COMPANY  
1-800-451-8346



**2. COMPOSITION/INFORMATION ON INGREDIENTS**

COMPONENT (SYNONYM) CAS NO. PERCENTAGE (% W/V) EXPOSURE LIMIT\*

WATER 7732-18-5 78 NONE

PROPYLENE GLYCOL 57-55-6 20.30 NONE

TRIETHANALOMINE 99%  
(TEA 99) (DILUTE TEA  
99 50% + TAP WATER  
50%) 102-71-6 0.82 5 MG/M3

POLYACRYLIC ACID  
(CARBOPOL) 9003-01-4 0.84 NONE

FD&C BLUE DYE #1  
(220-405-55) 3844-45-9 0.0013 NONE

COSEPT 200  
(QUATERNIUM-15) 51229-78-8 0.1 NONE

\* LIMIT ESTABLISHED BY ACGIH AS AN 8 HOUR TIME WEIGHTED AVERAGE



**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

NONVOLATILE, NONFLAMMABLE MIXTURE IN WATER PACKAGED IN A WATERPROOF CONTAINER.

IF PACKAGING IS BROKEN, DIRECT CONTACT WITH SOLUTION MAY BE SLIGHTLY IRRITATING TO THE SKIN, EYES AND RESPIRATORY TRACT.

**POTENTIAL HEALTH EFFECTS:**

**EYE CONTACT:**

UNLIKELY UNDER NORMAL CONDITIONS OF HANDLING OR USAGE. DIRECT CONTACT WITH SOLUTION MAY BE SLIGHTLY IRRITATING TO THE EYES.

**INGESTION:**

UNLIKELY UNDER NORMAL CONDITIONS OF HANDLING OR USAGE. NOT EXPECTED TO BE HAZARDOUS BY INGESTION IN SMALL QUANTITIES.

**INHALATION:**

INHALATION NOT LIKELY UNDER NORMAL USE CONDITIONS. INHALATION OF SOLUTION MAY BE IRRITATING TO RESPIRATORY TRACT.

**SKIN CONTACT:**

UNLIKELY UNDER NORMAL CONDITIONS OF HANDLING OR USAGE. DIRECT CONTACT WITH SOLUTION MAY BE SLIGHTLY IRRITATING TO THE SKIN.

**CARCINOGEN STATUS:**

OSHA: NOT LISTED.

**NTP:**

TRİETHANOLAMIDE - EQUIVOCAL EVIDENCE OF CARCINOGENIC ACTIVITY IN MALE F344/N RATS. NO EVIDENCE OF CARCINOGENIC ACTIVITY IN FEMALE F344/N RATS.

**IARC:**

POLYACRYLIC ACID AND FD& C BLUE DYE #1 -IARC GROUP 3-UNCLASSIFIABLE AS TO CARCINOGENICITY IN HUMANS.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

NOT APPLICABLE FROM ACCIDENTAL EXPOSURE.



**4. FIRST AID MEASURES**

**EYE CONTACT:**

FLUSH WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. IF REDNESS OR IRRITATION OCCURS, SEEK MEDICAL ATTENTION.

**INGESTION:**

CALL A PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**INHALATION:**

NONVOLATILE LIQUID. REMOVE PERSON TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN AND GET MEDICAL ATTENTION. IF PERSON IS NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION OR CPR AND GET MEDICAL ATTENTION.

**SKIN CONTACT:**

REMOVE CONTAMINATED CLOTHING, WASH THE EFFECTED AREA WITH MILD DETERGENT AND WATER. FLUSH AREA WITH WATER FOR AT LEAST 15 MINUTES. IF REDNESS OR IRRITATION OCCURS, SEEK MEDICAL ATTENTION.



**5. FIRE FIGHTING MEASURES**

NONFLAMMABLE WATER SOLUTION.



## 6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS CAN BE TAKEN UP WITH AN ABSORBENT AND PLACED IN CLEAN DRY CONTAINERS FOR LATER DISPOSAL.

THIS PRODUCT IS A NONHAZARDOUS WASTE WHEN SPILLED OR DISPOSED OF, AS DEFINED IN RESOURCE CONSERVATION RECOVERY ACT (RCRA) REGULATIONS (40 CFR 261).



## 7. HANDLING AND STORAGE

STORE UNDER THE FOLLOWING CONDITIONS:  
STORE AT ROOM TEMPERATURE (NOT TO EXCEED 104 DEG. F/40 DEG. C). FOR CONVENIENCE, THE PRODUCT MAY BE STORED IN THE FREEZER BETWEEN USES.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CLOTHING:  
IF WATERPROOF PACKAGING IS BROKEN, WEAR SAFETY GLASSES.

GLOVES:  
IF WATERPROOF PACKAGING IS BROKEN, USE LATEX OR OTHER IMPERVIOUS GLOVES.

RESPIRATORY PROTECTION:  
NO RESPIRATORY PROTECTION NEEDED UNDER NORMAL CONDITIONS OF HANDLING AND USE.

SKIN PROTECTION:  
NO SKIN PROTECTION NEEDED UNDER NORMAL CONDITIONS OF HANDLING AND USE.

VENTILATION:  
NO VENTILATION SHOULD BE REQUIRED UNDER NORMAL CONDITIONS OF HANDLING AND USE.

EXPOSURE GUIDELINES OR LIMITS:  
5 MG/M3 AS AN 8 HOUR TIME WEIGHTED AVERAGE FOR TEA 99.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: BLuish GEL PACKAGED IN A WATERPROOF CONTAINER.

BOILING POINT: NOT ESTABLISHED

FREEZING POINT: NOT ESTABLISHED

VAPOR PRESSURE: NOT ESTABLISHED

SPECIFIC GRAVITY: NOT ESTABLISHED

SOLUBILITY IN WATER: SOLUBLE

PH: NOT ESTABLISHED

VAPOR DENSITY: NOT ESTABLISHED

MELTING POINT: NOT ESTABLISHED

FLASH POINT: NOT ESTABLISHED

## 10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

INCOMPATIBILITIES (SPECIFIC MATERIALS TO AVOID): OXIDIZING AGENTS.

DECOMPOSITION PRODUCTS:

PROPYLALDEHYDE, CARBON MONOXIDE IN THE PRESENCE OF LIMITED OXYGEN IN FIRE SITUATIONS.

## 11. TOXICOLOGICAL INFORMATION

ACUTE AND CHRONIC TOXICITY

THE FINAL PRODUCT HAS NOT BEEN EVALUATED FOR OCCUPATION EXPOSURE, THE FOLLOWING TOXICOLOGY DATA IS FOR THE COMPONENTS.

PROPYLENE GLYCOL

ACUTE

LD50 ORAL, RAT: 20 G/KG

LD50 ORAL, GUINEA PIG: 18,350 MG/KG

LD50 SKIN, RABBIT: 20,800 MG/KG

DERMAL IRRITATION, HUMAN: MODERATE (DRAIZE, 104 MG/3 D INTERMITTENT)

EYE IRRITATION, RABBIT: MILD (DRAIZE, 500 MG/24 HR)

LCLO INHALATION, RAT: 2180 MG/M3/6H/90D INTERMITTENT

IN VITRO MUTAGENICITY STUDIES WERE NEGATIVE. ANIMAL MUTAGENICITY STUDIES WERE NEGATIVE

CHRONIC:

NONE KNOWN

TRIETHANALOMINE 99%

ACUTE

LD50 ORAL, RAT: 4920 MG/KG

LD50 ORAL, RABBIT: 2200 MG/KG

LD50 SKIN, RABBIT: >16 MG/KG

DERMAL IRRITATION, HUMAN: MILD (DRAIZE, 15 MG/3 D INTERMITTENT)

IRRITATING TO SKIN AND EYES, MAY BE ABSORBED THROUGH INTACT SKIN. POSSIBLE RESPIRATORY TRACT IRRITANT.

NOT MUTAGENIC IN SALMONELLA TYPHIMURIUM, SISTER CHROMATID EXCHANGES AND CHROMOSOMAL ABERRATIONS IN CULTURED CHINESE HAMSTER OVARY CELLS WITH AND WITHOUT S9 METABOLIC ACTIVATION.

CHRONIC

EQUIVOCAL EVIDENCE OF CARCINOGENIC ACTIVITY IN MALE F344/N RATS. NO EVIDENCE OF CARCINOGENIC ACTIVITY IN FEMALE F344/N RATS. STUDY IN MALE AND FEMALE B6C3F1 MICE WAS CONSIDERED INADEQUATE.

POLYACRYLIC ACID (CARBOPOL)

ACUTE  
LD50 ORAL, RAT: 2500 MG/KG  
IRRITATING TO EYES AND RESPIRATORY TRACT.

CHRONIC  
LISTED AS GROUP 3 - UNCLASSIFIABLE AS TO CARCINOGENICITY IN HUMANS.  
DERMATITIS MAY OCCUR UNDER EXTREME CONDITIONS OF PROLONGED OR REPEATED CONTACT.

FD&C BLUE DYE

ACUTE  
LD50 SUBCUTANEOUS, RAT: 4600 MG/KG  
IRRITATING TO EYES AND RESPIRATORY TRACT.

CHRONIC  
LISTED AS GROUP 3 - UNCLASSIFIABLE AS TO CARCINOGENICITY IN HUMANS.

COSEPT 200

ACUTE  
LD50 ORAL, RAT: 1500 MG/KG  
LD50 ORAL, RABBIT: 78 MG/KG  
LD50 SKIN (ABSORPTION), RABBIT: 600 MG/KG (STRONG SOLUTION)  
LD50 INHALATION, RAT: >4.7 MG/L FOR 4 HOURS

CHRONIC  
NONE KNOWN.

IRRITATING TO SKIN AND EYES, MAY BE ABSORBED THROUGH INTACT SKIN. POSSIBLE  
RESPIRATORY TRACT IRRITANT.

## 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT RATING (0-4): NO DATA  
ACUTE AQUATIC TOXICITY: NO DATA AVAILABLE FOR FINAL PRODUCT  
DEGRADABILITY: YES  
LOG BIOCONCENTRATIONS FACTOR: DATA NOT AVAILABLE  
LOG OCTANOL/WATER PARTITION COEFFICIENT: NO DATA

## 13. DISPOSAL CONSIDERATIONS

REPROCESS OR BURN IN AN APPROVED INCINERATOR.  
WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL  
ENVIRONMENTAL CONTROL REGULATIONS. PLEASE BE ADVISED, HOWEVER, THAT STATE AND  
LOCAL REQUIREMENTS FOR WASTE DISPOSAL MAY BE MORE RESTRICTIVE OR OTHERWISE  
DIFFERENT FROM FEDERAL REGULATIONS.

## 14. TRANSPORT INFORMATION

DOT HAZARDOUS MATERIAL REGULATIONS DO NOT APPLY TO THIS PRODUCT.

TRANSPORTATION AND HAZARDOUS MATERIALS DESCRIPTION:

DOT SHIPPING NAME: NOT APPLICABLE

DOT HAZARD CLASS: NOT APPLICABLE

UN/NA NUMBER: NOT APPLICABLE

PRODUCT RQ (LBS): NOT APPLICABLE

DOT LABEL: NOT APPLICABLE

DOT PLACARD: NOT APPLICABLE

FREIGHT CLASS BULK: NOT APPLICABLE

FREIGHT CLASS PACKAGE: NOT APPLICABLE

PRODUCT LABEL: NOT APPLICABLE



**15. REGULATORY INFORMATION**

FEDERAL REGULATORY INFORMATION:

CERCLA SECTION 103 (40 CFR 302.4), REPORTABLE QUANTITY  
NON-APPLICABLE

CERCLA/SUPERFUND (40 CFR 117.302)  
NON-APPLICABLE

OSHA PROCESS SAFETY (29 CFR 1910.119)  
NON-APPLICABLE

RCRA STATUS:

IF DISCARDED IN ITS PURCHASED FORM, THIS PRODUCT WOULD NOT BE A HAZARDOUS WASTE EITHER BY LISTING OR BY CHARACTERISTIC. HOWEVER, UNDER RCRA, IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE. (40 CFR 261.20-24)

SARA SECTION 302 (40 CFR 355.30), EXTREMELY HAZARDOUS SUBSTANCES  
NON-APPLICABLE

SARA SECTION 304 (40 CFR 355.40)  
NON-APPLICABLE

SARA HAZARD CATEGORIES, TITLE III SECTIONS 311 AND 312 (40 CFR 370.21)  
ACUTE HAZARD NO  
CHRONIC HAZARD NO  
FIRE HAZARD NO  
REACTIVITY HAZARD NO  
SUDDEN RELEASE HAZARD NO

SARA SECTION 313 (40 CFR 372.65), TOXIC CHEMICALS  
NON-APPLICABLE

TSCA STATUS  
LISTED

STATE REGULATORY INFORMATION:

CALIFORNIA PROPOSITION 65  
NOT ON LIST

OTHER STATES:

MAY BE MORE RESTRICTIVE OR OTHERWISE DIFFERENT.



## 16. OTHER INFORMATION

### ABBREVIATIONS:

CERCLA: COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT.  
ADMINISTERED BY EPA.

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER.

NTP: NATIONAL TOXICOLOGY PROGRAM.

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, US DEPARTMENT OF LABOR  
WHICH REGULATES WORKPLACE CONDITIONS.

RCRA: RESOURCE CONSERVATION AND RECOVERY ACT. ADMINISTERED BY EPA.

SARA: SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986. TITLE III IS ALSO  
KNOWN AS THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT.  
ADMINISTERED BY EPA.

TSCA: TOXIC SUBSTANCES CONTROL ACT.

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SUBSIDIARIES ASSUMES ANY LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON THIS  
INFORMATION. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL FOR A PARTICULAR  
USE IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN  
HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED  
HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS WHICH EXIST. IT IS  
THE USER'S RESPONSIBILITY TO DETERMINE THE APPROPRIATE HANDLING, DISPOSAL OR  
OPEN DISPOSITION FOR THE MATERIAL OR EMERGENCY RESPONSE ACTIONS IN LIGHT OF THE  
CONDITION OF THE MATERIAL, APPLICABLE REGULATIONS AND OTHER CIRCUMSTANCES.

ALLEGIANCE HEALTHCARE CORPORATION  
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