

**M**aterial  
**S**afety  
**D**ata  
**S**heet



**Common Name: KWIK KOLD REGULAR/OTHER COLD PRODUCTS**

**Manufacturer: ALLEGIANCE HEALTHCARE**

**Revision: 12/19/2000**

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DATE PREPARED: JANUARY 1998

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KWIK KOLD REGULAR/OTHER COLD PRODUCTS

MATERIAL SAFETY DATA SHEET



## **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME:  
PRODUCT CODES:

KWIK-KOLD(TM) KIT  
CATALOG # 103

KWIK-KOLD(TM) BULK  
CATALOG # 103B

RESPOND INSTANT ICE  
CATALOG # R1131

INSTANT COLD LARGE  
CATALOG # 11440-012

INSTANT COLD SMALL  
CATALOG # 11440-512

NOVA + INSTANT COLD SMALL  
CATALOG # V11440-512

INSTANT COLD MEDIUM  
CATALOG # 11445-020

NOVA + INSTANT COLD MEDIUM  
CATALOG # V11445-020

TIMEMIST COLD PACK  
CATALOG # 55024

INSTANT ICE COLD PACK  
CATALOG # 11440-900

RESPOND JR. INSTANT ICE  
CATALOG # R1121

NOVA + INSTANT COLD LARGE  
CATALOG # V11440-012

JACK FROST 6"X8.75" DISPOSABLE INSTANT COLD PACK  
CATALOG # 10104

JACK FROST 4.5"X5.5" DISPOSABLE INSTANT COLD PACK  
CATALOG # 10407

JACK FROST 4.5"X5.5" DISPOSABLE INSTANT COLD PACK  
CATALOG # 10450

ZIMMER 4"X6" INSULATED COLD PACK  
CATALOG # 1610-014

ZIMMER 5"X8" INSULATED COLD PACK  
CATALOG # 1610-015

JACK FROST 6"X8.75" REUSABLE INSULATED COLD PACK  
CATALOG # 20104

JACK FROST 6"X8.75" REUSABLE INSULATED COLD PACK  
CATALOG # 20116

JACK FROST 4.5"X7" REUSABLE INSULATED COLD PACK  
CATALOG # 20204

JACK FROST 4.5"X7" REUSABLE INSULATED COLD PACK  
CATALOG # 20224

JACK FROST 4.5"X7" REUSABLE INSULATED COLD PACK  
CATALOG # 20232

JACK FROST 4.5"X9.5" REUSABLE INSULATED COLD PACK  
CATALOG # 20304

TIDI 6"X8.75" REUSABLE INSULATED COLD PACK  
CATALOG # 2104 TIDI

TIDI 6"X8.75" DISPOSABLE INSTANT COLD PACK  
CATALOG # 1104 TIDI

FAULTLESS COLD PACK  
CATALOG # 94-00054

BOUNDTREE 6"X8.75" INSTANT COLD PACK  
CATALOG # 954299

AMERICAN FIRST AID KIT  
CATALOG # 091000

AMERICAN FIRST AID REGULAR  
CATALOG # 092000

NOVA+ INSULATED INSTANT COLD PACK  
CATALOG #V20104

## DESCRIPTION:

A WATERPROOF PACKAGE CONTAINING SMALL WHITE AMMONIUM NITRATE PELLETS SURROUNDING A SMALL RUPTURABLE PLASTIC BAG FILLED WITH WATER. WHEN THE WATER AND PELLETS MIX, THE LIQUID BECOMES COLD.

## PRODUCT USE:

PACK USED FOR TEMPORARY TEMPERATURE MAINTENANCE.

## USER CODE/IDENTIFICATION:

## MANUFACTURER:

ALLEGIANCE HEALTHCARE  
1500 WAUKEGAN ROAD  
MCGAW PARK, IL 60085 USA

TELEPHONE: 1-800-964-5227 (CUSTOMER SERVICE 8 AM-4:30 PM; CST M-F)

## FOR EMERGENCY INFORMATION CONTACT:

3E COMPANY  
1-800-451-8346

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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

WATER 7732-18-5 60 NONE

AMMONIUM NITRATE 6484-52-2 40 NONE

\* LIMIT ESTABLISHED BY ACGIH OR OSHA.

**3. HAZARDS IDENTIFICATION**

## EMERGENCY OVERVIEW:

INSTANT COLD UPON MIXING OF COMPONENTS/INGREDIENTS.

IF PACKAGING IS BROKEN, DIRECT CONTACT WITH SOLUTION MAY BE IRRITATING TO THE SKIN, EYES, THROAT, AND MUCOUS MEMBRANES. INGESTION MAY CAUSE VOMITING, STOMACH UPSET, AND GASTRITIS.

## POTENTIAL HEALTH EFFECTS:

## EYE CONTACT:

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

## INGESTION:

UNLIKELY UNDER NORMAL CONDITIONS OF HANDLING OR USAGE. MAY CAUSE VOMITING, STOMACH UPSET, GASTRITIS (STOMACH INFLAMMATION), METABOLIC ACIDOSIS, DIURESIS

(INCREASED URINATION), VASODILATATION, AND METHEMOGLOBINEMIA.

**INHALATION:**

UNLIKELY UNDER NORMAL CONDITIONS OF HANDLING OR USAGE. INHALATION OF SOLUTION MAY BE IRRITATING TO MUCOUS MEMBRANES.

**SKIN CONTACT:**

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

**CARCINOGEN STATUS:**

OSHA: NOT LISTED.

NTP: NOT LISTED.

IARC: NOT LISTED.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

KIDNEY OR INTESTINAL DYSFUNCTION.

**POTENTIAL PHYSICAL EFFECTS:**

AMMONIUM NITRATE PELLETS, PRIOR TO MIXING, MAY EXPLODE FROM HEAT OR CONTAMINATION, CAN ACCELERATE BURNING WHEN INVOLVED IN A FIRE, CAN REACT EXPLOSIVELY WITH HYDROCARBONS.



#### **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:**

SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF PATIENT IS ALERT, DILUTE WITH 4 TO 8 OUNCES OF WATER OR MILK. SINCE AMMONIUM NITRATE HAS SOME IRRITATIVE EFFECTS ON THE GASTROINTESTINAL TRACT, REMOVING THE MATERIAL IMMEDIATELY BY GASTRIC LAVAGE MAY BE PREFERABLE TO INDUCING VOMITING WITH SYRUP OF IPECAC, WHICH OFTEN TAKES AT LEAST 20 MINUTES TO ACT.

**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 SOLUTION. AMMONIUM NITRATE PELLETS, PRIOR TO MIXING, MAY EXPLODE FROM HEAT OR CONTAMINATION, CAN ACCELERATE BURNING WHEN INVOLVED IN A FIRE, CAN REACT EXPLOSIVELY WITH HYDROCARBONS.

## 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 NON-HAZARDOUS 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).

PROTECT FROM FREEZING.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION:

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:

NO OCCUPATIONAL EXPOSURE LIMITS ESTABLISHED BY ACGIH OR OSHA.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: CLEAR TO OFF WHITE LIQUID 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: 3.0 (SOLUTION).

## 10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION:

NOT REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

REACTIVITY:

YES, INSTANT COLD UPON MIXING OF INGREDIENTS. AMMONIUM NITRATE PELLETS, PRIOR TO MIXING, REACT VIOLENTLY WITH REDUCING AGENTS, STRONG ACIDS, POWDERED METALS, AND ORGANIC MATERIALS.

INCOMPATIBILITIES (SPECIFIC MATERIALS TO AVOID):

STRONG ACIDS, NITRATE SALTS, CHLORIDE SALTS, METAL SALTS, ALKALI METALS, POWDERED METALS, HYDROCARBON OILS.

DECOMPOSITION PRODUCTS:

THERMAL DECOMPOSITION MAY RELEASE TOXIC AND/OR HAZARDOUS GASES. HIGHLY TOXIC OXIDES OF NITROGEN, INCLUDING AMMONIA ARE PRODUCED DURING COMBUSTION OF AMMONIUM NITRATE.

## 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

THE FOLLOWING TOXICOLOGY INFORMATION IS FOR PURE AMMONIUM NITRATE

LD50 ORAL, RAT: 4500 MG/KG

LD50 DERMAL, RABBIT: 3000 MG/KG

INHALATION, HUMAN: IRRITATING TO MUCOUS MEMBRANES

ORAL, LIVESTOCK: 400 MG/L TOXIC LIMIT

IRRITATING TO EYES, NOSE, AND THROAT, AND MUCOUS MEMBRANES (HSDB)

ACUTE EFFECTS

INHALATION

UNLIKELY UNDER NORMAL CONDITIONS OF HANDLING OR USAGE. INHALATION OF SOLUTION MAY BE IRRITATING TO MUCOUS MEMBRANES

INGESTION

UNLIKELY UNDER NORMAL CONDITIONS OF HANDLING OR USAGE. MAY CAUSE VOMITING, STOMACH UPSET, GASTRITIS (STOMACH INFLAMMATION), METABOLIC ACIDOSIS, DIURESIS

(INCREASED URINATION), VASODILATATION, AND METHEMOGLOBINEMIA.

#### SKIN

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

#### EYES

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

#### CHRONIC EFFECTS

##### CARCINOGENIC EFFECTS

OSHA: NOT LISTED.

NTP: NOT LISTED.

IARC: NOT LISTED.

## 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT RATING (0-4): NO DATA

ACUTE AQUATIC TOXICITY: NO DATA FOR CHEMICAL MIXTURE

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 (BOTH GROUND AND AIR TRANSPORTATION) DO APPLY TO THIS PRODUCT.

TRANSPORTATION AND HAZARDOUS MATERIALS DESCRIPTION:

DOT SHIPPING NAME: CONSUMER COMMODITY\*

DOT HAZARD CLASS: ORM-D\*

UN/NA NUMBER: NOT APPLICABLE  
PRODUCT RQ (LBS): NOT APPLICABLE  
DOT LABEL: NOT APPLICABLE  
DOT PLACARD: NOT APPLICABLE  
PRODUCT LABEL: NOT APPLICABLE

\* NOT AN ACCEPTABLE CLASSIFICATION WHEN USING IATA DANGEROUS GOODS REGULATIONS.

## 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 USED 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 CONTAINED IN THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE. IF DISCARDED IN ITS PURCHASED FORM, THIS PRODUCT WOULD BE A HAZARDOUS WASTE BY CHARACTERISTIC. (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:  
AMMONIUM NITRATE (SOLUTION)

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.

HSDB: HAZARDOUS SUBSTANCE DATA BANK.

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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