

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	PRODUCT CODES:
KWIK-KOLD(REGULAR	CATALOG # 101
KWIK-KOLD(JUNIOR	CATALOG # 102
KWIK-KOLD(REGULAR BULK	CATALOG # 107
KWIK-KOLD(REGULAR BULK	CATALOG # 112
PORTA SAMPLE COLD PACK	CATALOG # 30635-611

DESCRIPTION:
A WATERPROOF PACKAGE CONTAINING SMALL WHITE AMMONIUM NITRATE PELLETS SURROUNDING
A SMALL RUPTURABLE PLASTIC BAG FILLED WITH WATER DYED A BLUE COLOR . 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*
WATER	7732-18-5	NONE	
AMMONIUM NITRATE	6484-52-2	40	NONE
ACID BLUE DYE	6408-80-6	"LESS THAN .01% BY WEIGHT"	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:

AMMONIUM NITRATE PELLETS, PRIOR TO MIXING, MAY EXPLODE FROM EFFECT

S 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 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(F/40(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:
WHEN MIXED, BLUE 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 PRESSURE S.

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, LIVE STOCK:
400 MG/L TOXIC LIMIT

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

THE TOXICOLOGICAL PROPERTIES OF ACID BLUE DYE HAVE NOT BEEN THOROUGHLY
INVESTIGATED

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 PRODUCTS 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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DATE PREPARED: JANUARY 1998

KWIK KOLD COLD PRODUCTS W/BLUE DYE

DATE REVISED: DECEMBER 19, 2000

ALLEGIANCE HEALTHCARE

MCGAW PARK, IL 60085