

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: L3769

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - L3769

NORTH

NORTH SAFETY PRODUCTS
2000 PLAINFIELD PIKE
CRANSTON, RI 02921-2019

TELEPHONE: 401 943 4400

FACSIMILE:: 401 275 2616

TO OUR VALUED CUSTOMERS

CERTIFICATE OF EXEMPTION FROM OSHA HAZARD COMMUNICATION REGULATION 29 CFR 1910.1200

THIS IS TO CERTIFY THAT THE NORTH BUFFERED EYELETT IS A DRUG AS DEFINED IN 21 CFR PART 349, SUBSECTION 349.20 AND LABELED IN ACCORDANCE WITH SUBSECTION 349.78.

DRUGS ARE EXEMPT FROM AS THE HAZARD COMMUNICATIONS REQUIREMENTS OF SUBSECTION 1910.1200(A) AND (B), AS SPECIFICALLY STATED IN SUBSECTION 1910.1200(B) (6) (VII).

ACCORDINGLY, NO MSDS EXISTS FOR THIS PRODUCT; HOWEVER A COPY OF THE LABEL IS ATTACHED.

NORTH SAFETY PRODUCTS.

TRIAD DISPOSABLES
600 PERKINS DRIVE
MUKWONAGO, WISCONSIN 53149

PHONE: 262-363-6900

FAX: 262-363-6932

EMERGENCY: 262-363-6900

SECTION I

ISSUE DATE: 1 JANUARY, 2002

PRODUCT:
TRIADINE 10% POVIDONE IODINE PREP & WHIRLPOOL SOLUTION, SWABSTICK & PREP PAD

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	OSHA PEL	ACGIH TLV	OTHER LIMITS	%
POVIDONE IODINE		NOT ESTABLISHED		10%

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: >200 DEG. F

VAPOR PRESSURE (MMHg.): NOT ESTABLISHED

VAPOR DENSITY (AIR = 1): NOT ESTABLISHED

SPECIFIC GRAVITY (H2O = 1): 1.025

MELTING POINT: NA

EVAPORATION RATE (BUTYL ACETATE = 1): >1

SOLUBILITY IN WATER: SOLUBLE

APPEARANCE AND ODOR: REDDISH BROWN LIQUID WITH IODINE ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

NFPA = 0

FLASH POINT (METHOD USED):
NON-FLAMMABLE: >210 DEG. F

FLAMMABLE LIMITS: NA
LEL: NA
UEL: NA

EXTINGUISHING MEDIA: NA

SPECIAL FIRE FIGHTING PROCEDURES:
WEAR APPROPRIATE BREATHING APPARATUS AND EYE PROTECTION. VAPORS MAY CAUSE EYE AND SKIN IRRITATION.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

SECTION V - REACTIVITY DATA

NFPA = 1

STABILITY:
UNSTABLE: NO
STABLE: YES

CONDITIONS TO AVOID: EXCESSIVE HEAT

INCOMPATIBILITY (MATERIALS TO AVOID):
OXIDIZERS AND UNSATURATED ORGANIC COMPOUNDS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NA

HAZARDOUS POLYMERIZATION:
MAY OCCUR: NO
WILL NOT OCCUR: YES

CONDITIONS TO AVOID: NA

SECTION VI - HEALTH HAZARD DATA

NFPA = 1

ROUTE(S) OF ENTRY:
INHALATION?: NA
SKIN?: YES
INGESTION?: YES

HEALTH HAZARDS (ACUTE AND CHRONIC):

SKIN:
SEVERE HYPONATREMIA AND ACIDOSIS HAVE BEEN NOTED ALONG WITH INCREASED SERUM IODINE LEVELS.

INGESTION: FATAL IN LARGE QUANTITIES.

RAT - LD50: 3.5 ML/KG - INCREASE IN SERUM IODINE LEVELS.

CARCINOGENICITY:
NTP?: NA
IARC MONOGRAPHS?: NA
OSHA REGULATED?: NA

SIGNS AND SYMPTOMS OF EXPOSURE: NA

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
HIGH THYROXINE LEVELS MAY BE INCREASED IN PATIENTS. PEOPLE WITH ALLERGIC REACTIONS TO IODINE WILL HAVE INCREASED SKIN IRRITATION AND SWELLING.

EMERGENCY AND FIRST AID PROCEDURES:
WITH EYE CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER. IF IRRITATION PERSISTS, CONTACT DOCTOR. IF SWALLOWED, GET MEDICAL ATTENTION IMMEDIATELY. IN CASE OF SKIN IRRITATION, FLUSH WITH SOAPY WATER.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
DO NOT WASH LARGE SPILLS INTO SEWERS WITHOUT PRIOR LOCAL REGULATORY CONSENT. SPILLS MAY BE ABSORBED AND THEN DISPOSED IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

WASTE DISPOSAL METHOD:
DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
KEEP CONTAINERS CLOSED TIGHTLY AT ROOM TEMPERATURE.

OTHER PRECAUTIONS:
AVOID PROLONGED CONTACT OR POOLING WITH SKIN. VAPORS FROM EXCESSIVE AMOUNTS OF SOLUTION MAY CAUSE EYE IRRITATION.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NORMAL

VENTILATION:
LOCAL EXHAUST: NO
MECHANICAL (GENERAL): NO
SPECIAL: NA
OTHER: NA

PROTECTIVE GLOVES: NOT NEEDED UNDER NORMAL CONDITIONS

EYE PROTECTION: NA

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NA

WORK / HYGIENIC PRACTICES: GOOD HYGIENIC WORK PRACTICE.

MATERIAL SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD

WATER-JEL(R*) TECHNOLOGIES

MATERIAL SAFETY DATA SHEET

BURN SPRAY

MSDS NO.: 004

REVISION NO.: 4

ISSUE DATE: 01/15/2008

EXP. DATE: 01/2011

PRODUCT AND COMPANY INFORMATION - SECTION 1

MANUFACTURER/DISTRIBUTOR:
WATER-JEL TECHNOLOGIES
50 BROAD STREET
CARLSTADT, NJ 07072
201-507-8300
800-275-3433

PRODUCT NAME: BURN SPRAY

SYNONYMS: NO INFORMATION AVAILABLE

INTENDED USE:
WATER BASED SPRAY MEETING ANSI STANDARD FOR BURN TREATMENT. CONTAINS LIDOCAINE HCl (2%) FOR RELIEF OF MINOR BURNS. FOR EXTERNAL USE ONLY.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT:
IN THE CONTINENTAL U.S.: 800-275-3433
FOR ADDITIONAL INFORMATION: 201-507-8300

COMPOSITION INFORMATION - SECTION 2

IN ACCORDANCE WITH 29 CFR SUBSECTION 1910.1200 (I) (1) THE SPECIFIC CHEMICAL IDENTITY OF THIS PRODUCT IS BEING WITHHELD AS A TRADE SECRET.

CHEMICAL NAME: LIDOCAINE HCl

PERCENT: PROPRIETARY

CAS NUMBER: 6108-05-0

EXPOSURE LIMITS: NONE ESTABLISHED

HAZARDS IDENTIFICATION - SECTION 3

EMERGENCY OVERVIEW & HAZARDS PRESENT TO MAN AND THE ENVIRONMENT:
ACUTE EFFECTS ARE POSSIBLE IRRITATION AND DISCOMFORT; CHRONIC EFFECTS ARE POSSIBLE WITH THE INGESTION OF LARGE AMOUNTS TO THE NERVOUS SYSTEM. DO NOT USE OVER RAW SURFACE AREAS OR BLISTERED AREAS.

PRIMARY ROUTES OF EXPOSURE: INGESTION, EYES, INHALATION

POTENTIAL HEALTH EFFECTS:
EYES: MAY CAUSE MILD IRRITATION.
SKIN: PROLONGED SKIN CONTACT MAY CAUSE MILD IRRITATION.
INHALATION: INHALATION OF MIST MAY CAUSE RESPIRATORY IRRITATION.
INGESTION: SWALLOWING SMALL AMOUNTS IS NOT LIKELY CAUSE INJURY.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
PRE-EXISTING SKIN OR EYE DISORDERS WAY BECOME AGGRAVATED THROUGH PROLONGED EXPOSURE.

CHRONIC HEALTH EFFECTS:
EYES: PROLONGED SKIN CONTACT MAY CAUSE MODERATE IRRITATION.
SKIN: PROLONGED SKIN CONTACT MAY CAUSE MILD IRRITATION.
INHALATION: PROLONGED INHALATION MAY CAUSE MODERATE RESPIRATORY IRRITATION.
INGESTION: SWALLOWING LARGE AMOUNT MAY CAUSE INJURY.

FIRST AID MEASURES - SECTION 4

SEEK MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE.

FIRST AID MEASURES:

EYES:
FLUSH EYES WITH CLEAR RUNNING WATER FOR A MINIMUM OF FIFTEEN (15) MINUTES WHILE HOLDING EYELIDS OPEN; IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SKIN:
FLUSH WITH CLEAR RUNNING WATER FOR A MINIMUM OF FIFTEEN (15) MINUTES; IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION:
REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLE MOUTH TO MOUTH, GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: DO NOT INDUCE VOMITING; SEEK IMMEDIATE MEDICAL ATTENTION.

INSTRUCTIONS FOR PHYSICIAN:
TREAT SYMPTOMATICALLY. REFER TO INDIVIDUAL CONSTITUENTS.

FIRE FIGHTING MEASURES - SECTION 5

NFPA CLASSIFICATION:
HEALTH 1
FIRE 0
REACTIVITY 0
OTHER N/A

FLAMMABILITY PROPERTIES:

FLASH POINT: N/A
METHOD: CLOSED CUP

FLAMMABILITY LIMITS (IN AIR % BY VOLUME):
LEL: N/A
UEL: N/A

AUTOIGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: NO INFORMATION AVAILABLE.

EXTINGUISHING MEDIA: WATER, WATER SPRAY, DRY CHEMICALS, CHEMICAL FOAM, CO

PROHIBITED EXTINGUISHING MEDIA: NO INFORMATION AVAILABLE.

FIREFIGHTING INSTRUCTIONS:
DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR. HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS. WEAR NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS.

COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NO INFORMATION AVAILABLE.

ACCIDENTAL RELEASE MEASURES - SECTION 6

ENVIRONMENTAL PRECAUTIONS: NO INFORMATION AVAILABLE.

CLEANUP METHODS:

SMALL SPILLS: SMALL SPILLS MAY BE FLUSHED WITH LARGE AMOUNTS OF WATER.

LARGE SPILLS:

LARGE SPILLS SHOULD BE COLLECTED WITH APPROVED ABSORBENT AND DISPOSED IN AN APPROPRIATE CONTAINER.

HANDLING & STORAGE - SECTION 7

HANDLING: KEEP CONTAINER(S) TIGHTLY CLOSED WHEN NOT IN USE.

STORAGE:
KEEP CONTAINER(S) TIGHTLY CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY AREA.

SPECIFIC USES:
WATER BASED SPRAY MEETING ANSI STANDARD FOR BURN TREATMENT. CONTAINS LIDOCAINE HCl (2%) FOR RELIEF OF MINOR BURNS. FOR EXTERNAL USE ONLY.

EXPOSURE CONTROLS / PERSONAL PROTECTION - SECTION 8

EXPOSURE CONTROLS:

EXPOSURE LIMITS VALUES:

LIDOCAINE HCl:
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

ENGINEERING CONTROLS: NO INFORMATION AVAILABLE.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: NONE REQUIRED.

HAND PROTECTION: NONE REQUIRED.

EYE/FACE PROTECTION: NONE REQUIRED.

SKIN PROTECTION: NONE REQUIRED.

GENERAL HYGIENE CONSIDERATIONS:
PRACTICE SAFE WORK HABITS. USE ACCORDING TO LABEL INSTRUCTIONS.

OTHER PROTECTIVE EQUIPMENT: NO INFORMATION AVAILABLE.

PHYSICAL & CHEMICAL PROPERTIES - SECTION 9

PRODUCT: BURN SPRAY

GENERAL INFORMATION:
APPEARANCE: SLIGHTLY CLOUDY TO CLEAR OFF-WHITE LIQUID.
ODOR: MEDICINAL, SLIGHT TEA TREE OIL SCENT

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION:

BOILING POINT: 212 DEG. F

MELTING POINT: NO INFORMATION AVAILABLE.

FLASH POINT: NO INFORMATION AVAILABLE.

EXPLOSIVE PROPERTIES: NO INFORMATION AVAILABLE.

OXIDIZING PROPERTIES: NO INFORMATION AVAILABLE.

SPECIFIC GRAVITY (H2O = 1): 0.997

WATER SOLUBILITY: COMPLETE

PARTITION COEFFICIENT (n-OCTANOL/WATER): NO INFORMATION AVAILABLE.

VISCOSITY: NO INFORMATION AVAILABLE.

VAPOR PRESSURE (MMHg): NO INFORMATION AVAILABLE.

VAPOR DENSITY (AIR = 1): NO INFORMATION AVAILABLE.

EVAPORATION RATE: NO INFORMATION AVAILABLE.

% VOLATILE (BY VOLUME @ 68 DEG. F): NO INFORMATION AVAILABLE.

STABILITY & REACTIVITY - SECTION 10

STABILITY: THIS MATERIAL IS STABLE UNDER NORMAL CONDITIONS.

CONDITIONS TO AVOID: EXTREME TEMPERATURES.

MATERIALS TO AVOID: STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:
DECOMPOSITION WILL NOT OCCUR IF HANDLED AND STORED PROPERLY. THERMAL DECOMPOSITION MAY PRODUCE CARBON MONOXIDE, SMALL AMOUNTS OF NITROGEN OXIDES, HALOGENATED COMPOUNDS OR PROPIONALDEHYDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

TOXICOLOGICAL INFORMATION - SECTION 11

TYPE OF TEST	ROUTE OF EXPOSURE	EFFECTS	SPECIES OBSERVED	DOSE DATA
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NO INFORMATION AVAILABLE.

ECOLOGICAL INFORMATION - SECTION 12

ECOTOXICITY: NO INFORMATION AVAILABLE.

MOBILITY: NO INFORMATION AVAILABLE.

PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

BIO ACCUMULATIVE POTENTIAL: NO INFORMATION AVAILABLE.

DISPOSAL CONSIDERATION - SECTION 13

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. PRODUCTS CLASSIFIED AS NON-HAZARDOUS MAY BECOME HAZARDOUS WASTE UPON

CONTACT WITH OTHER PRODUCTS. REFER TO "40 CFR PROTECTION OF ENVIRONMENT PARTS 260-299" FOR COMPLETE WASTE DISPOSAL REGULATIONS. CONSULT YOUR LOCAL, STATE OR FEDERAL ENVIRONMENTAL PROTECTION AGENCY BEFORE DISPOSING OF ANY CHEMICALS.

TRANSPORT INFORMATION - SECTION 14

DOT CLASSIFICATION:
UN NUMBER: NOT REGULATED FOR DOMESTIC TRANSPORTATION.
CLASS:
PROPER SHIPPING NAME: NOT REGULATED FOR DOMESTIC TRANSPORTATION.
PACKING GROUP:
MARINE POLLUTANT:
OTHER INFORMATION:

IATA CLASSIFICATION:
UN NUMBER:
CLASS:
PROPER SHIPPING NAME: NOT REGULATED FOR INTERNATIONAL AIR TRANSPORTATION.
PACKING GROUP:
MARINE POLLUTANT:
OTHER INFORMATION:

IMDG CLASSIFICATION:
UN NUMBER:
CLASS:
PROPER SHIPPING NAME: NOT REGULATED FOR INTERNATIONAL WATER TRANSPORTATION.
PACKING GROUP:
MARINE POLLUTANT:
OTHER INFORMATION:

REGULATORY INFORMATION - SECTION 15

US REGULATIONS:
ACGIH: NOT ESTABLISHED
CAA SECTION 112: NOT LISTED
CERCLA: NOT LISTED
IARC: NOT LISTED
NTP: NOT LISTED
OSHA: NOT ESTABLISHED
SARA TITLE III: NOT LISTED
TSCA: NOT LISTED

STATE REGULATIONS:
MA SUBSTANCE LIST: NOT LISTED
NJ RTK HAZARDOUS SUBSTANCE LIST: NOT LISTED
PA HAZARDOUS SUBSTANCE LIST: NOT LISTED
CANADIAN WHMIS: NOT LISTED

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, NEITHER WATER-JEL TECHNOLOGIES, NOR ANY OF ITS SUBSIDIARIES ASSUMES ANY LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL 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 THAT EXIST.

DATE PREPARED: JANUARY 1998
DATE REVISED: DECEMBER 19, 2000
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 (% W/V)	EXPOSURE LIMIT*
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.

ALLEGIANCE HEALTHCARE CORPORATION DISCLAIMER:

NEITHER ALLEGIANCE HEALTHCARE NOR ANY OF ITS AFFILIATES OR 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
MCGAW PARK, IL 60085