

ITEM: 3EWK2 - Emergency Medical Kit Red 25 People
MSDS: L3917
ORDER: 0141976170
LP NUMBER: U860049283

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

MATERIAL SAFETY DATA SHEET (MSDS)

MATERIAL SAFETY DATA SHEET - L3917
Associated Graining Items
3EWK2
BURNFREE
MSDS

SECTION 1 - PRODUCT IDENTIFICATION

TRADE NAME: BURNFREE HYDROGEL
CHEMICAL TYPE: HYDROGEL (WATER-BASED GEL) WITH PRESERVATIVE SYSTEM

SECTION 2 - HAZARDOUS INGREDIENTS

NONE

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE: GEL
APPEARANCE AND ODOR: TRANSLUCENT GEL - SLIGHTLY MEDICINAL ODOR
EVAPORATION RATE: AS FOR WATER
BOILING POINT: 195 DEGREES FAHRENHEIT
FREEZING POINT: 20 DEGREES FAHRENHEIT
% VOLATILE (BY WEIGHT): NOT APPLICABLE
SOLUBILITY IN WATER (20 DEGREES FAHRENHEIT): SOLUBLE
pH: 5.5 - 7.0
SPECIFIC GRAVITY: 1.02

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY: NON-FLAMMABLE

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY: NONE
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

SECTION 6 - TOXICOLOGICAL PROPERTIES

EXPOSURE ROUTE:
SKIN CONTACT: IRRITANT INDEX BELOW 5 AND THEREFORE CLASSED AS NON-IRRITANT
EYE CONTACT: NON-IRRITANT OR CORROSIVE TO EYE
INHALATION ACUTE: NON-TOXIC
INHALATION CHRONIC: NON-TOXIC
INGESTION: NON-TOXIC

SECTION 7 - PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: NOT REQUIRED
EYE PROTECTION: NOT REQUIRED
LEAK AND SPILL PROCEDURE:
SOAK UP ONTO INERT MATERIAL OR MAY BE FLUSHED TO DRAIN WITH COPIOUS AMOUNTS OF WATER
STORAGE REQUIREMENTS: PROTECT FROM FREEZING

SECTION 8 - FIRST AID MEASURES

NON-TOXIC, NON-IRRITANT
WHITE BURNFREE PRODUCTS BELIEVES THE DATA SET FORTH HEREIN IS ACCURATE, THE COMPANY MAKES NO WARRANTY WITH RESPECT THERETO AND EXPRESSLY DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. SUCH DATA IS OFFERED SOLELY FOR YOUR CONSIDERATION, INVESTIGATION AND VERIFICATION.

DATE PREPARED: JANUARY 2002.

DATE REVISED: JANUARY 2008

BURNFREE PRODUCTS
P.O. BOX 709180
9382 SOUTH 670 WEST
SANDY, UT 84070-9180
U.S.A.

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MATERIAL SAFETY DATA SHEET

PDI - PROFESSIONAL DISPOSABLES, INC

THE HEALTHCARE DIVISION OF NICE-PARK PRODUCTS, INC

VII. SPILL AND DISPOSAL PROCEDURE

EFFECTS OF OVER EXPOSURE:
SKIN: MAY CAUSE IRRITATION
EYES: MAY BE IRRITATING
INHALATION: NONE
INGESTION: HARMFUL
EMERGENCY AND FIRST AID PROCEDURES:
SKIN CONTACT: DISCONTINUE USE IF RASH OR IRRITATION IS NOTED
EYE CONTACT: FLUSH WITH COOL WATER FOR 15 MINUTES
INHALATION: NONE
INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION
TARGET ORGANS: N/A

VI. HEALTH HAZARD DATA

STABILITY: STABLE
CONDITIONS TO AVOID: N/A
INCOMPATIBILITY: ALKALIS AND REDUCING AGENTS
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
EMITS IODINE VAPOURS AT HIGH TEMPERATURES
POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE KNOWN

V. REACTIVITY DATA

FLASH POINT (METHOD USED): N/A
LFL: N/A
UEL: N/A
EXTINGUISHING MEDIA: ANY.
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS: MAY EMIT TOXIC FUMES OF IODINE IN A FIRE

IV. FIRE & EXPLOSION HAZARD DATA

BOILING POINT: N/A
FLASH POINT: >200 DEG.
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: SOLUBLE
SPECIFIC GRAVITY (H₂O = 1): N/A

III. PHYSICAL/CHEMICAL CHARACTERISTICS

PER 29 CFR 1910.1200
HAZARDOUS INGREDIENTS
POVIDONE IODINE COMPLEX 1/2 TO 3
NONE ESTABLISHED 25655418
CAS NUMBER
ACGIN TLV
%
NONE ESTABLISHED

II. HAZARDOUS INGREDIENTS

PRODUCT/TRADE NAME:
POVIDONE IODINE SWAB/SCAB/COINMENT/BRF/SOLUTION S23125, B40600, B40689, B23600, L57725, L57770, S41170
HAZARD RATING (NTPA):
HEALTH 1
FLAMMABILITY 0
REACTIVITY 0
SPECIFIC NONE
EMERGENCY OR INFORMATION TELEPHONE NO:
845-365-1700 (M-F DAYTIME) AT OTHER TIMES, CONTACT THE LOCAL POISON CONTROL CENTER
CHEMICAL NAME: MIXTURE

I. PRODUCT IDENTIFICATION

REVISION DATE: 2/05

845-365-1700
ORANGEBURG, NY 10962-1376
TWO NICE-PARK

SPLIT CONTROL: USE ABSORBENT MATERIAL AND DISPOSE PER LOCAL REGULATIONS.
WASTE DISPOSAL METHOD: FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS.
HANDLING AND STORAGE: AVOID STORING AT EXTREME TEMPERATURES.

VIII. CONTROL MEASURES/PROTECTION

RESPIRATION: NONE
VENTILATION: NONE

PROTECTIVE GLOVES: IF HANDLING LIQUID

EYE PROTECTION: IF SPLASHING IS A HAZARD

HYGIENIC PRACTICES: GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

OTHER: WEAR APRON TO PROTECT CLOTHING

IX. TRANSPORT/SHIPPING

DOT SHIPPING NAME:

TECHNICAL SHIPPING NAME:

DOT SHIPPING CLASSIFICATION: DOT NOT REGULATED

DOT ID NO.:

DOT LABEL REQUIREMENTS:

UN/NA NUMBER REGULATIONS:

REPORTABLE QUANTITY:

THE INFORMATION FURNISHED HEREIN IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST DATA CURRENTLY AVAILABLE TO US. NO WARRANTY, EXPRESSED OR IMPLIED IS MADE AND NICE-PARK PRODUCTS, INC. ASSUMES NO LEGAL RESPONSIBILITY OR LIABILITY RESULTING FROM ITS USE.

BFI - PROFESSIONAL DISPOSABLES, INC

HEALTHCARE DIVISION OF NICE-PARK PRODUCTS, INC

TWO NICE-PARK PARK

ORANGEBURG NY 10962-1376

845-365-1700

REVISION DATE: 8/03

I. PRODUCT IDENTIFICATION

PRODUCT/TRADE NAME:

ALCOHOL PREP/SWAB: B15901, B33901, B33905, B33907, B92507, C29600, B60301, B90707, B60307, C69900, S84325, S81650, B59800, B33973, B60507, B05507, B80505, B77606, B00707, B05590

HAZARD RATING (NFPA):

HEALTH: 1

FLAMMABILITY: 3

REACTIVITY: 0

SPECIFIC: NONE

EMERGENCY OR INFORMATION TELEPHONE NO.:

845-365-1700 (M-F DAYTIME) AT OTHER TIMES, CONTACT THE LOCAL POISON CONTROL CENTER

CHEMICAL NAME: ISOPROPYL ALCOHOL

II. HAZARDOUS INGREDIENTS PER 29 CFR 1910.1200

HAZARDOUS INGREDIENTS

%

ACGIH TLV

CAS NUMBER

2-PROPANOL 70 400 PPM 67-63-0

III. PHYSICAL/CHEMICAL CHARACTERISTICS

COLOR/ODOR/APPEARANCE:

TOXICITY/LETHALITY/ADP/SWAB SATURATED WITH CLEAR LIQUID WITH ALCOHOL ODOR.

BOILING POINT: N/A

FLASH POINT: 78 DEG. F

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H2O = 1): N/A

FLASH POINT (METHOD USED): 78 DEG. F TAG CLOSED CUP

LEL: 2.0

UEL: 12.0

EXTINGUISHING MEDIA: DRY CHEMICAL OR ALCOHOL TYPE FOAM, CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES:

HANDLE AS FLAMMABLE LIQUID. USE RESPIRATORY PROTECTION FOR FIRE FIGHTING PERSONNEL

IV. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 78 DEG. F TAG CLOSED CUP

LEL: 2.0

UEL: 12.0

EXTINGUISHING MEDIA: DRY CHEMICAL OR ALCOHOL TYPE FOAM, CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES:

HANDLE AS FLAMMABLE LIQUID. USE RESPIRATORY PROTECTION FOR FIRE FIGHTING PERSONNEL

UNUSUAL FIRE AND EXPLOSION HAZARDS: CLASS 3 FLAMMABILITY

V. REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY: NONE

HAZARDOUS DECOMPOSITION OR BYPRODUCT: NONE

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

VI. HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE:

SKIN: IF RASH APPEARS, DISCONTINUE USE

EYES: WILL CAUSE EYE STING IF SPLASHED

INHALATION: NONE

INGESTION: NOT A NORMAL ROUTE OF ENTRY

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: DISCONTINUE USE IF RASH OR IRRITATION OCCURS

EYE CONTACT: FLUSH WITH COLD WATER FOR 15 MINUTES

INHALATION: REMOVE TO FRESH AIR

INGESTION: INDUCE VOMITING. CALL PHYSICIAN

TARGET ORGANS: N/A

VII. SPILL AND DISPOSAL PROCEDURE

SPILL CONTROL: ELIMINATE ALL SOURCES OF IGNITION

WASTE DISPOSAL METHOD:

AND FEDERAL REGULATIONS.

HANDLING AND STORAGE: STORE AWAY FROM HEAT AND SOURCES OF IGNITION

VIII. CONTROL MEASURES/PROTECTION

RESPIRATION:

USE IF PERMISSIBLE EXPOSURE LEVEL IS EXCEEDED WHEN HANDLING BULK LIQUID

VENTILATION: RECOMMENDED

PROTECTIVE GLOVES: NONE REQUIRED

EYE PROTECTION: ONLY IF SPLASHING IS EXPECTED

HYGIENIC PRACTICES: GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

OTHER: DON'T ALLOW LARGE QUANTITIES OF WASTE TO ACCUMULATE

IX. TRANSPORT/SHIPPING

DOT SHIPPING NAME: N/A

TECHNICAL SHIPPING NAME: N/A

DOT SHIPPING CLASSIFICATION:

DOT: NOT REGULATED

DOT ID NO.: N/A

DOT LABEL REQUIREMENTS: N/A

UN/NA NUMBER REGULATIONS: N/A

REPORTABLE QUANTITY: N/A

X. DISCLAIMER

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MATERIAL SAFETY DATA SHEET (MSDS)

DATE: 09-10-2003

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: INSTANT COLD PACK

PRODUCT USE:

FOR RELIEF OF PAIN AND SWELLING CAUSED BY SPRAINS, STRAINS CONTUSIONS, MINOR BURNS, TOOTHACHES AND INSECT BITES.

MANUFACTURER:

SHANGHAI INTIGO MEDICAL SUPPLY CO., LTD.

1036 SOUTH PU DONG RD.

SUITE 1703-1704

SHANGHAI P.R. 200120

CHINA

SECTION 2 - COMPOSITION ON INGREDIENTS

HAZARDOUS INGREDIENTS

%

CAS NUMBER

AMMONIUM NITRATE

40-70

6484-52-2

7732-18-5

SECTION 3 - HAZARDS IDENTIFICATION

ROUTES OF ENTRY: SKIN CONTACT; SKIN ABSORPTION; EYE CONTACT; INGESTION

EMERGENCY OVERVIEW:

DANGEROUS IF INGESTED, MAY INTERFERE WITH THE CIRCULATION AND OXYGEN CAPACITY OF THE BLOOD.

POTENTIAL HEALTH EFFECTS:

PRODUCT MAY IRRITATE EYES AND SKIN CONTACT BUT IS UNLIKELY TO INJURE

SECTION 4 - FIRST AID MEASURES

SKIN CONTACT: MAY CAUSE SKIN IRRITATION. WASH CONTAMINATED SKIN WITH SOAP AND WATER. COVER IRRITATED SKIN WITH AN EMOLLIENT. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION: LIQUID PRODUCT IS DIFFICULT TO INHALE. IF INHALED SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION: IF CONSCIOUS, HAVE THE PERSON DRINK SEVERAL GLASSES OF WATER OR MILK AND INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. LOWER HEAD SO THE VOMIT WILL NOT REENTER THE MOUTH AND THROAT. OBTAIN MEDICAL ATTENTION.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABILITY: YES

MEANS OF EXTINGUISHING: CONTAINING OXIDIZING MATERIAL, COOL, CONTAINING VESSELS WITH WATER, JET TO PREVENT PRESSURE BUILD-UP OR EXPLOSION. MATERIALS WILL NOT BURN.

FIREFIGHTING INSTRUCTIONS: USE FLOODING QUANTITIES OF WATER. FIRE FIGHTERS SHOULD WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATH APPARATUS (SCBA) AND FULL FIRE PROTECTIVE CLOTHING.

SMALL SPILL: USE APPROPRIATE TOOLS OR EQUIPMENT TO CLEAN UP SPILLED LIQUID MATERIAL. SMALL QUANTITIES CAN BE FLUSHED TO SANITARY SEWER.

LARGE SPILL: PREVENT ADDITIONAL MATERIAL FROM BEING SPILLED. KEEP FROM ENTERING SEWERS, WATERCOURSES, WELLS, ETC. PRODUCT WILL PROMOTE ALGAE GROWTH AND MAY DEGRADE WATER QUALITY AND TASTE. NOTIFY DOWNSTREAM WATER USERS.

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT: USE NO SHARP TOOLS TO HANDLE PACKAGES. DO NOT DROP PACKAGES. USE CARE WHEN OPENING PACKAGES TO NOT DAMAGE INNER CONTAINERS.

KEEP AWAY FROM HEAT, COMBUSTIBLE MATERIALS AND REDUCING AGENTS. AVOID CONTACT WITH SKIN AND EYES. DO NOT INGEST. KEEP AWAY FROM COMBUSTIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEED.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY WELL VENTILATED AREA. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEED. KEEP AWAY FROM COMBUSTIBLE MATERIALS. KEEP AWAY FROM

INCOMPATIBLE MATERIALS.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS: 10 MG/M3 FOR AMMONIUM NITRATE POWDER ACGIH TLV

SPECIFIC ENGINEERING CONTROLS (SUCH AS VENTILATION, ENCLOSED PROCESS): USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING TO AVOID SKIN CONTACT WITH LIQUID PRODUCT. IF SPILLED PRODUCT DRIES OUT AVOID INHALING THE DUST.

PERSONAL PROTECTIVE EQUIPMENT: GLOVE, EYE, FOOTWEAR IF CHECKED, SPECIFY TYPE

USE IMPERVIOUS GLOVES. WEAR SAFETY GLASSES OR SAFETY GOGGLES IF THERE IS A RISK OF SPLASH AND SPILLAGE. USE SUITABLE WATERPROOF FOOTWEAR.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

ODOR AND APPEARANCE: LIQUID

ODOR THRESHOLD (PPM): ODORLESS

SOLUBILITY IN WATER: EASILY SOLUBLE IN WATER.

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: YES

YES, HIGHLY REACTIVE WITH COMBUSTIBLE MATERIALS, REACTIVE WITH REDUCING AGENTS, ORGANIC MATERIALS, METALS, SLIGHTLY REACTIVE WITH ALKALIS.

HAZARDOUS DECOMPOSITION PRODUCTS: THERE ARE NO HAZARDOUS DECOMPOSITION PRODUCTS. THE PRODUCTS DEGRADE TO NITROGEN, HYDROGEN AND OXYGEN.

EFFECTS OF ACUTE EXPOSURE: TOXIC TO LIVESTOCK, WILDLIFE AND DOMESTIC ANIMALS IF DIRECTLY INGESTED.

IDENTIFICATION

MANUFACTURER'S NAME: JAMES ALEXANDER CORPORATION

PHONE: (908)362-9266

COMMON NAME: AMMONIA INHALANT SOLUTION

CHEMICAL NAME: N/A

SYNONYM: N/A

D.O.T. SHIPPING NAME:

AIR SHIPMENTS:

FLAMMABLE LIQUID CORROSIVE NOS, 3 - UN 2924, PGII (AMMONIA, ETHANOL)

INGREDIENT INFORMATION

COMPONENT	CAS NO.	%	OSHA PEL/TWA	TLV/TWA	ACGIH TLV/STEL
AMMONIA	7664-41-7	17.5	50 PPM	25 PPM	35 PPM
ETHYL ALCOHOL	64-17-5	37.5	1000 PPM	1000 PPM	NOT LISTED

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL OR RECYCLING: RECYCLE TO PROCESS IN MANUFACTURING IF POSSIBLE. RECOVER AND PLACE MATERIAL IN SUITABLE CONTAINER FOR INTENDED USE OR DISPOSAL. CALL FOR ASSISTANCE ON DISPOSAL. ENSURE DISPOSAL IN COMPLIANCE WITH FEDERAL, PROVINCIAL AND LOCAL REGULATIONS.

X-GEN PHARMACEUTICALS INC

MATERIAL SAFETY DATA SHEET

X-GEN PHARMACEUTICALS

PO BOX 445

BIG FLATS, NY 14814

TECHNICAL ASSISTANCE: 607-562-2700

PREPARED BY: RC PARK

DATE PREPARED: 10/17/04

AMMONIA INHALANT SOLUTION

SECTION 12 - ECOLOGICAL INFORMATION

TOXICITY: LOW TOXICITY FOR HUMANS OR ANIMALS UNDER NORMAL CONDITIONS OF USE. MAY BE HARMFUL TO LIVESTOCK AND WILDLIFE IF INGESTED. CLEAN UP SPILLED MATERIAL TO PREVENT ANIMAL EXPOSURE.

AQUATIC MARINE TOXICITY: WILL RELEASE AMMONIUM IONS. AMMONIA IS A TOXIC HAZARD TO FISH. AVOID SPLITS OR RELEASES TO WATERCOURSES. WILL DISPERSE WITH CURRENT RELEASE

WATERCOURSES MAY CAUSE EFFECTS DOWNSTREAM FROM POINT OF RELEASE. THIS MATERIAL IS NOT LISTED AS A MARINE POLLUTANT IN THE INTERNATIONAL MARITIME DANGEROUS GOODS CODE.

BIOCHEMICAL OXYGEN DEMAND: N/A

CHEMICAL OXYGEN DEMAND: N/A

TOXICITY OF THE PRODUCTS OF DEGRADATION: THE PRODUCT ITSELF AND ITS PRODUCTS OF DEGRADATION ARE NOT HARMFUL UNDER NORMAL CONDITION OF USE. AVOID SPLITS OR RELEASES TO WATERCOURSES.

SPECIAL REMARKS ON THE PRODUCTS OF DEGRADATION: PRODUCT WILL PROMOTE ALGAE GROWTH AND MAY DEGRADE WATER QUALITY AND TASTE. NOTIFY DOWNSTREAM WATER USERS. NITRATE IN POTABLE DRINKING WATER SHOULD BE MAINTAINED BELOW 10 MG/L, WILL DISPERSE IN WATER.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL OR RECYCLING: RECYCLE TO PROCESS IN MANUFACTURING IF POSSIBLE. RECOVER AND PLACE MATERIAL IN SUITABLE CONTAINER FOR INTENDED USE OR DISPOSAL. CALL FOR ASSISTANCE ON DISPOSAL. ENSURE DISPOSAL IN COMPLIANCE WITH FEDERAL, PROVINCIAL AND LOCAL REGULATIONS.

X-GEN PHARMACEUTICALS

MATERIAL SAFETY DATA SHEET

X-GEN PHARMACEUTICALS

PO BOX 445

BIG FLATS, NY 14814

TECHNICAL ASSISTANCE: 607-562-2700

PREPARED BY: RC PARK

DATE PREPARED: 10/17/04

AMMONIA INHALANT SOLUTION

SYNONYM: N/A

D.O.T. SHIPPING NAME:

AIR SHIPMENTS:

FLAMMABLE LIQUID CORROSIVE NOS, 3 - UN 2924, PGII (AMMONIA, ETHANOL)

INGREDIENT INFORMATION

COMPONENT	CAS NO.	%	OSHA PEL/TWA	TLV/TWA	ACGIH TLV/STEL
AMMONIA	7664-41-7	17.5	50 PPM	25 PPM	35 PPM
ETHYL ALCOHOL	64-17-5	37.5	1000 PPM	1000 PPM	NOT LISTED

HEALTH HAZARD INFORMATION

PRIMARY ROUTES OF EXPOSURE:
INHALATION, EYE CONTACT, SKIN CONTACT, INGESTION.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

IRITATION OR BURNS OF THE RESPIRATORY SYSTEM, HEADACHE, COUGHING, LUNG CONGESTION OR INFLAMMATION, PULMONARY EDEMA, BREATHING DIFFICULTY, HEADACHE, DIZZINESS, DROWSINESS, LOSS OF APPETITE AND AN INABILITY TO CONCENTRATE.

EYE CONTACT: SEVERE IRRITATION OR BURNS, MAY LEAD TO BLINDNESS.

SKIN CONTACT: LOCAL IRRITATION, DRY SKIN, BURNS.

INGESTION:

BURNING PAIN IN MOUTH, THROAT, CONstriction OF THROAT, COUGHING, FOLLOWED BY NAUSEA, VOMITING OR DIARRHEA. INGESTION MAY PROVE FATAL.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

INDIVIDUALS WITH PRE-EXISTING NERVOUS SYSTEM DISORDERS, SKIN DISORDERS OR EYE PROBLEMS, OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF OVEREXPOSURE.

FIRST AID MEASURES

FOR INHALATION:
REMOVE SUBJECT IMMEDIATELY TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET IMMEDIATE MEDICAL ATTENTION.

FOR EYE CONTACT:
IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. EYES SHOULD BE HELD APART AND AWAY FROM EYEBALL FOR THOROUGH RINSING. DO NOT PERMIT VICTIM TO RUB EYES. GET IMMEDIATE MEDICAL ATTENTION.

FOR SKIN CONTACT:
IMMEDIATELY FLUSH SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. DO NOT RUB OR APPLY OINTMENT TO AFFECTED AREA. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING BEFORE RE-USE.

FOR INGESTION:
CONTACT A POISON CONTROL CENTER IMMEDIATELY. DO NOT INDUCE VOMITING. IF CONSCIOUS, HAVE VICTIM SWALLOW LARGE AMOUNTS OF WATER. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. GET IMMEDIATE MEDICAL ATTENTION.

TOXICOLOGICAL INFORMATION

NONE OF THE COMPONENTS PRESENT IN THIS FORMULATION ARE CURRENTLY CLASSIFIED AS CARCINOGENS IN THE NTP ANNUAL REPORT ON CARCINOGENS, TARC MONOGRAPHS OR BY OSHA.

FIREFIGHTING MEASURES

FLASH POINT: LESS THAN 50 DEGREES F
TEST METHOD: PENSKY MARTENS CLOSED CUP
AUTOIGNITION TEMP:
AMMONIA: 1204 DEGREES F (651 DEG. C)
ETHYL ALCOHOL: 685 DEG. F (363 DEG. C)
FLAMMABLE LIMITS IN AIR % BY VOLUME:
LOWER: (UNKNOWN)
UPPER: (UNKNOWN)
EXTINGUISHING MEDIA: "ALCOHOL RESISTANT" FOAM, CO2 OR DRY CHEMICAL.
NOTE:
INDIVIDUALS SHOULD PERFORM ONLY THOSE FIRE-FIGHTING PROCEDURES FOR WHICH THEY HAVE BEEN TRAINED.
REMOVE ALL SOURCES OF IGNITION. MOVE EXPOSED CONTAINERS FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK. FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN POSITIVE PRESSURE MODE. SPRAY EXTINGUISHING MEDIA DIRECTLY INTO BASE OF FLAMES. WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL.
UNUSUAL FIRE AND EXPLOSION HAZARD:
WHEN HEATED, MIXTURE WILL GIVE OFF AMMONIA GAS, A STRONG IRRITANT TO EYES, RESPIRATORY TRACT, AND MUCOUS MEMBRANES. OTHER TOXIC GASES PRODUCED ARE CARBIDES OF NITROGEN, CARBON MONOXIDE, CARBON DIOXIDE AND HYDROGEN. CLOSED CONTAINERS EXPOSED TO HEAT MAY DEVELOP PRESSURE AND EXPLODE. ALCOHOL VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. ALCOHOLS BURN WITH A PALE BLUE FLAME WHICH MAY BE EXTREMELY HARD TO SEE UNDER NORMAL LIGHTING CONDITIONS. PERSONNEL MAY BE ABLE TO FEEL THE HEAT OF THE FIRE WITHOUT SEEING FLAMES. EXTREME CAUTION MUST BE EXERCISED IN FIGHTING ALCOHOL FIRES.

PHYSICAL HAZARDS

STABLE AT ROOM TEMPERATURE. HAZARDOUS POLYMERIZATION WILL NOT OCCUR. HOWEVER, PRODUCT WILL REACT EXOTHERMICALLY WITH ACIDS. RELEASES AMMONIA VAPOR WHEN HEATED. AMMONIA COMPONENT WILL DECOMPOSE TO HYDROGEN AND OXIDES OF NITROGEN WHEN HEATED. CARBON MONOXIDE GAS MAY ALSO BE PRODUCED WHEN HEATED.

CONDITIONS TO AVOID:

SUNLIGHT, HEAT (HEATING ABOVE AMBIENT TEMPERATURES CAUSES THE VAPOR COMMON METALS, STRONG OXIDIZING AGENTS). AVOID MIXING WITH ACIDS. MOST OF THE SOLUTION TO INCREASE. ZINC, CHLORINE, ALUMINUM, COPPER, BRONZE, MERCURY, DIMETHYL SULFATE AND ACETYL CHLORIDE.

HANDLING / SPILL / DISPOSAL MEASURES

FOR LARGE SPILLS, STOP LEAK IF YOU CAN DO SO WITHOUT RISK. EXTINGUISH ALL

EXPOSURE CONTROLS / PERSONAL PROTECTION

OTHER PRECAUTIONS:
CONTAINERS, EVEN THOSE THAT HAVE BEEN IMPAIRED, WILL RETAIN PRODUCT RESIDUE AND VAPORS. HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

WEAR SELF-CONTAINED BREATHING APPARATUS, CHEMICAL SAFETY GOGGLES AND FULL PROTECTIVE CLOTHING. VENTILATE AREA. SPILLED LIQUIDS SHOULD BE CONTAINED AND NOT WASHED INTO SEWERS OR GROUND WATER. CONTAIN BY DILKING WITH WATER. NON-ABSORBENT MATERIALS AND PLACE RESIDUE IN DOT APPROVED WASTE CONTAINER. COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS ON SPILL REPORTING, HANDLING AND DISPOSAL OF WASTE.

PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A FOR MIXTURES
MELTING POINT: UNKNOWN
SPECIFIC GRAVITY: 0.891 25/25
VAPOR PRESSURE: UNKNOWN
VAPOR DENSITY: UNKNOWN
SOLUBILITY IN WATER: VERY SOLUBLE
% VOLATILES BY VOL.: 55%
EVAPORATION RATE (BUTYL ACETATE=1): UNKNOWN
APPEARANCE AND ODOR:
CLEAR, PINK TO LIGHT RED LIQUID. PUNGENT ODOR OF AMMONIA.
PH: UNKNOWN
N/F = NOT FOUND
P.O. BOX 445
BIG FLATS, NY 14814
PHONE: 607-562-2700
FAX: 607-562-2760
WWW.X-GEN.US

PH: UNKNOWN

N/F = NOT FOUND

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