

MATERIAL SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200. STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.

U.S. DEPARTMENT OF LABOR
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
(NON-MANDATORY FORM)
FORM APPROVED
OMB NO. 1218-0072

IDENTITY: (AS USED ON LABEL AND LIST): POVIDONE IODINE SOLUTION

NOTE:

BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, OR NO INFORMATION IS AVAILABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.

SECTION I

MANUFACTURER'S NAME: CLAY-PARK LABS, INC.

ADDRESS (NUMBER, STREET, CITY, STATE, AND ZIP CODE)
1700 BATHGATE AVENUE
BRONX NY 10457

EMERGENCY TELEPHONE NUMBER: (718)901-2800

TELEPHONE NUMBER FOR INFORMATION: (718)901-2800

DATE PREPARED: 5/14/96

SIGNATURE OF PREPARER (OPTIONAL):

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS

OSHA PEL

ACGIH TLV

(SPECIFIC CHEMICAL IDENTITY COMMON NAMES(S))

N/A

HAZARDOUS COMPONENTS

OTHER LIMITS

%

(SPECIFIC CHEMICAL IDENTITY COMMON NAMES(S))

RECOMMENDED

(OPTIONAL)

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A

VAPOR PRESSURE (MMHg): N/A

VAPOR DENSITY (AIR=1): N/A

SOLUBILITY IN WATER: SOLUBLE

APPEARANCE AND ODOR: CLEAR BROWN LIQUID - FAINT IODINE

SPECIFIC GRAVITY (H₂O=1): N/A

MELTING POINT: N/A

EVAPORATION RATE (BUTYL ACETATE=1): N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A

FLAMMABLE LIMITS: N/A

LEL:

UEL:

EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION V REACTIVITY DATA

STABILITY:

UNSTABLE ()

STABLE (X)

CONDITIONS TO AVOID:

SEE LABEL/INSERT

INCOMPATIBILITY (MATERIALS TO AVOID): NONE

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A

HAZARDOUS POLYMERIZATION: N/A

MAY OCCUR ()

WILL NOT OCCUR ()

CONDITIONS TO AVOID:

SECTION VI HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION?: N/A

SKIN?: SEE LABEL/INSERT

INGESTION: SEE LABEL

HEALTH HAZARDS (ACUTE AND CHRONIC): SEE LABEL/INSERT

CARCINOGENICITY: N/A

NTP?:

IARC MONOGRAPHS?:

OSHA REGULATED?:

SIGNS AND SYMPTOMS OF EXPOSURE: SEE LABEL/INSERT

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
SEE LABEL/INSERT

EMERGENCY AND FIRST AID PROCEDURES: SEE LABEL/INSERT

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: N/A

WASTE DISPOSAL METHOD: N/A

PRECAUTIONS TO BE TAKEN HANDLING AND STORING: SEE LABEL/INSERT

OTHER PRECAUTIONS: N/A

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): N/A

VENTILATION: N/A

LOCAL EXHAUST:

MECHANICAL (GENERAL):

SPECIAL:

OTHER:

PROTECTIVE GLOVES: N/A

EYE PROTECTION: N/A

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK/HYGIENIC PRACTICES: N/A

MATERIAL SAFETY DATA SHEET

LIDOCAINE HYDROCHLORIDE INJECTION/TOPICAL SOLUTION, USP

ISSUED 08/03/98

-----1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION -----

MATERIAL NAME:

LIDOCAINE HYDROCHLORIDE INJECTION; LIDOCAINE HYDROCHLORIDE TOPICAL SOLUTION;
LIDOCAINE HYDROCHLORIDE IN 5% DEXTROSE; LIDOCAINE HYDROCHLORIDE IN 7.5%
DEXTROSE, USP

LIST NUMBER:

2063, 2066, 4056, 4270, 4275, 4276, 4277, 4278, 4279, 4281, 4282, 4283, 4712,
4713, 4776, 4898, 4903, 4904, 4923, 4924, 6217, 6248, 6254, 7916, 7931, 7939,
8026, 8027

MANUFACTURER: HOSPITAL PRODUCTS DIVISION
ABBOTT LABORATORIES
ABBOTT PARK, ILLINOIS 60064

EMERGENCY TELEPHONE NUMBER: 1-847-937-7970

CHEMTREC TELEPHONE NUMBER: 1-800-424-9300

-----2. COMPOSITION/INFORMATION ON INGREDIENTS -----

INGREDIENT NAME: LIDOCAINE HYDROCHLORIDE *

CAS/RTECS NUMBER: 73-78-9/AN7600000

OSHA-PEL 8 HR TWA: N/L

STEL: N/L

CEILING: N/L

ACGIH-TLV 8HR TWA: N/L

STEL: N/L

CEILING: N/L

OTHER LIMITS

8HR TWA: 0.5 MG/M3 (ABBOTT LABORATORIES GUIDELINE).

STEL: 5 MG/M3 (ABBOTT LABORATORIES GUIDELINE).

CEILING: N/L

* HAZARDOUS PER OSHA CRITERIA

-----3. HAZARDS INFORMATION -----

EMERGENCY OVERVIEW:

IN CLINICAL USE, THIS MATERIAL IS USED TO NUMB BODY TISSUES. THE ACTIVE
INGREDIENT IS TOXIC BY INGESTION. BESIDES ITS NUMBING EFFECTS, IT CAN EFFECT THE

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CENTRAL NERVOUS SYSTEM, RESPIRATORY SYSTEM AND CARDIOVASCULAR SYSTEM.

ROUTE(S) OF ENTRY:

SKIN: UNLIKELY
INHALATION: UNLIKELY
INGESTION: UNLIKELY

INGESTION RATING: POSSIBLY TOXIC

SKIN ABSORPTION RATING: N/D

INHALATION RATING: N/D

CORROSIVENESS RATING: N/D

SKIN CONTACT RATING: N/D

SKIN SENSITIZATION RATING: N/D

EYE CONTACT RATING: N/D

TARGET ORGANS:

NERVES, CENTRAL NERVOUS SYSTEM, CARDIOVASCULAR SYSTEM, RESPIRATORY SYSTEM

CARCINOGENICITY RATING:

NTP: N/L
IARC: N/L
OSHA: N/L
ACGIH: N/L
NONE

SIGNS AND SYMPTOMS:

N/D. IN CLINICAL USE, LIDOCAINE PRODUCES NUMBNESS, LIGHTEADEDNESS, DROWSINESS, DIZZINESS, RESTLESSNESS, LOSS OF HEARING, BREATHING/SWALLOWING DYSFUNCTION, APPREHENSION, EUPHORIA, TINNITUS, ALTERED VISION, VOMITING, SENSATION OF HOT-COLD-NUMBNESS, TWITCHING, TREMORS, STUPOR, CONVULSIONS, UNCONSCIOUSNESS, RESPIRATORY ARREST, HYPOTENSION, BRADYCARDIA AND CARDIOVASCULAR COLLAPSE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

N/D. SENSITIVITY TO AMIDE-TYPE LOCAL ANESTHETICS. PRE-EXISTING CARDIOVASCULAR OR CENTRAL NERVOUS SYSTEM DISEASE.

-----4. FIRST AID MEASURES -----

EYES:

REMOVE FROM SOURCE OF EXPOSURE. FLUSH WITH COPIOUS AMOUNTS OF WATER. IF IRRITATION PERSISTS OR SIGNS OF TOXICITY OCCUR, SEEK MEDICAL ATTENTION. NO KNOWN ANTIDOTE. PROVIDE SYMPTOMATIC/SUPPORTIVE CARE, CONTROLLING CONVULSIONS AND MONITORING CARDIAC AND RESPIRATORY FUNCTION, AS NECESSARY.

SKIN:

REMOVE FROM SOURCE OF EXPOSURE. FLUSH WITH COPIOUS AMOUNTS OF WATER. IF IRRITATION PERSISTS OR SIGNS OF TOXICITY OCCUR, SEEK MEDICAL ATTENTION. NO KNOWN ANTIDOTE. PROVIDE SYMPTOMATIC/SUPPORTIVE CARE, CONTROLLING CONVULSIONS AND MONITORING CARDIAC AND RESPIRATORY FUNCTION, AS NECESSARY.

INGESTION:

REMOVE FROM SOURCE OF EXPOSURE. IF SIGNS OF TOXICITY OCCUR, SEEK MEDICAL ATTENTION. NO KNOWN ANTIDOTE. PROVIDE SYMPTOMATIC/SUPPORTIVE CARE, CONTROLLING CONVULSIONS AND MONITORING CARDIAC AND RESPIRATORY FUNCTION, AS NECESSARY.

INHALATION:

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REMOVE FROM SOURCE OF EXPOSURE. IF SIGNS OF TOXICITY OCCUR, SEEK MEDICAL ATTENTION. NO KNOWN ANTIDOTE. PROVIDE SYMPTOMATIC/SUPPORTIVE CARE, CONTROLLING CONVULSIONS AND MONITORING CARDIAC AND RESPIRATORY FUNCTION, AS NECESSARY.

-----5. FIRE FIGHTING PROCEDURES -----

FLASH POINT: NON-FLAMMABLE

FLASH POINT METHOD: N/A

LOWER EXPLOSIVE LIMIT (%): N/D

UPPER EXPLOSIVE LIMIT (%): N/D

AUTOIGNITION TEMPERATURE: N/D

FIRE & EXPLOSION HAZARDS: N/D

EXTINGUISHING MEDIA: N/A

FIRE FIGHTING INSTRUCTIONS: N/D

-----6. ACCIDENTAL RELEASE MEASURES -----

SPILL OR RELEASE PROCEDURES: ABSORB WITH SUITABLE MATERIAL, FLUSH WITH WATER.

-----7. HANDLING AND STORAGE -----

HANDLING: NO SPECIAL HANDLING REQUIRED.

STORAGE:

STORE AT CONTROLLED ROOM TEMPERATURE OF 15-30 DEGREES C (59-86 DEGREES F).

SPECIAL PRECAUTIONS: N/D.

-----8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS:

NO SPECIAL PROVISIONS REQUIRED DURING NORMAL PRODUCT USE CONDITIONS.

RESPIRATORY PROTECTION: NONE REQUIRED DURING NORMAL PRODUCT USE.

SKIN PROTECTION: IMPERVIOUS GLOVES ARE APPROPRIATE IF SKIN CONTACT IS LIKELY.

EYE PROTECTION: RECOMMENDED IF EYE CONTACT IS LIKELY.

OTHER PROTECTION: N/A

-----9. PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE/PHYSICAL STATE: CLEAR LIQUID

ODOR: N/A

BOILING POINT: WATER (APPROX.)

MELTING/FREEZING POINT: WATER (APPROX.)

VAPOR PRESSURE (MM Hg): N/A

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VAPOR DENSITY (AIR=1): N/A

EVAPORATION RATE: N/A

BULK DENSITY: N/D

SPECIFIC GRAVITY: WATER (APPROX.)

SOLUBILITY: AQUEOUS SOLUTION

PH: 3.0 - 7.0

VISCOSITY: WATER (APPROX.)

-----10. STABILITY AND REACTIVITY -----

CHEMICAL STABILITY: N/D.

INCOMPATIBILITIES: N/D.

HAZARDOUS DECOMPOSITION PRODUCTS:
WHEN HEATED TO DECOMPOSITION, IT EMITS VERY TOXIC FUMES OF NO_x AND HCl.

HAZARDOUS POLYMERIZATION: N/D

-----11. TOXICOLOGICAL INFORMATION -----

ORAL TOXICITY: N/D.
LD₅₀ = 220-457 MG/KG IN MICE FOR LIDOCAINE HYDROCHLORIDE (TOXIC).

DERMAL TOXICITY: N/D.
CONTINUED TOPICAL APPLICATION CAN LEAD TO TOXIC SERUM CONCENTRATIONS FOR LIDOCAINE HYDROCHLORIDE.

INHALATION TOXICITY: N/D.
RAPIDLY ABSORBED FOLLOWING APPLICATION OF ENDOTRACHEAL SPRAY. LD₅₀ (INTRATRACHEAL) = 28 MG/KG IN RABBITS FOR LIDOCAINE HYDROCHLORIDE.

CORROSIVENESS: N/D

DERMAL IRRITATION: N/D.
DILUTE AQUEOUS SOLUTION OF LIDOCAINE HYDROCHLORIDE A MILD SKIN IRRITANT IN RABBITS.

OCULAR IRRITATION: N/D.
DILUTE AQUEOUS SOLUTION OF LIDOCAINE HYDROCHLORIDE A MILD EYE IRRITANT IN RABBITS.

DERMAL SENSITIZATION: N/D.
LIDOCAINE HYDROCHLORIDE INFREQUENTLY INDICES DELAYED HYPERSENSITIVITY RESPONSES.

SPECIAL TARGET ORGAN EFFECTS: N/D.
LOCAL ANESTHETIC THAT PRODUCES NUMBNESS AND THAT EFFECTS THE CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM. IT CAN EFFECT THE FETUS (FETAL HYPOXIA OR BRADYCARDIA) IF USED DURING LABOR AND DELIVERY.

CARCINOGENICITY INFORMATION: N/D

-----12. ECOLOGICAL INFORMATION -----

ECOLOGICAL INFORMATION: N/D

-----13. DISPOSAL CONSIDERATIONS -----

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

-----14. TRANSPORTATION INFORMATION -----

DOT
STATUS: NOT REGULATED
PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
UN NUMBER: N/A
PACKING GROUP: N/A
REPORTABLE QUANTITY: N/A

IATA/ICAO
STATUS: NOT REGULATED
PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
UN NUMBER: N/A
PACKING GROUP: N/A
REPORTABLE QUANTITY: N/A

IMO
STATUS: NOT REGULATED
PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
UN NUMBER: N/A
PACKING GROUP: N/A
REPORTABLE QUANTITY: N/A
FLASH POINT: NON-FLAMMABLE

-----15. REGULATORY INFORMATION -----

TSCA STATUS: N/A

CERCLA STATUS: N/L

SARA STATUS: N/L

RCRA STATUS: N/L

PROP 65 (CA): N/L

-----16. OTHER INFORMATION -----

LEGEND:
N/A = NOT APPLICABLE
N/D = NOT DETERMINED
N/L = NOT LISTED
L = LISTED
C = CEILING
S = SHORT-TERM
(R) = REGISTERED TRADEMARK OF ABBOTT LABORATORIES
(TM)= REGISTERED TRADEMARK OF ABBOTT LABORATORIES

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APPROVED BY: DLF

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ESI40166

MATERIAL SAFETY DATA SHEET

ESI-LEDERLE GENERICS
P.O. BOX 8299
PHILADELPHIA, PA 19101
610-688-4400

24 HR. EMERGENCY MEDICAL INFORMATION:
610-688-4400
CHEM TREC USA, CAN, PR: 800-424-9300
INTERNATIONAL: 202-463-7616

-----SUBSTANCE IDENTIFICATION -----

SUBSTANCE: SODIUM CHLORIDE INJECTION

TRADE NAMES/SYNONYMS: BACTERIOSTATIC SODIUM CHLORIDE INJECTION ESI40166

CHEMICAL FAMILY: MIXTURE, AQUEOUS

CERCLA RATINGS (SCALE 0-3):

HEALTH = 0
FIRE = 0
REACTIVITY = 0
PERSISTENCE = 0

NFPA RATINGS (SCALE 0-4):

HEALTH = 1
FIRE = 0
REACTIVITY = 0

-----COMPONENTS AND CONTAMINANTS -----

COMPONENT: SODIUM CHLORIDE
PERCENT: 0.9
CAS# 7647-14-5

COMPONENT: WATER
PERCENT: >1

EXPOSURE LIMITS:

NO OCCUPATIONAL EXPOSURE LIMITS ESTABLISHED BY OSHA, ACGIH, OR NIOSH.

-----PHYSICAL DATA -----

DESCRIPTION: COLORLESS LIQUID.

BOILING POINT: 212 F (100 C)

SPECIFIC GRAVITY: 1.0

VAPOR PRESSURE: 14 MM HG @ 20 C (H2O)

PH: 4.5-7.0

SOLUBILITY IN WATER: SOLUBLE

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VAPOR DENSITY: 0.7 (H₂O)

-----FIRE AND EXPLOSION DATA -----

FIRE AND EXPLOSION HAZARD:

NEGLECTIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

FIREFIGHTING MEDIA:

EXTINGUISH USING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE.

FIREFIGHTING:

NO ACUTE HAZARD. MOVE CONTAINER FROM FIRE AREA IF POSSIBLE.

AVOID BREATHING VAPORS OR DUSTS; KEEP UPWIND.

-----TOXICITY -----

NORMAL SALINE:

CARCINOGEN STATUS: NONE.

ACUTE TOXICITY LEVEL: NO DATA AVAILABLE.

TARGET EFFECTS: NO DATA AVAILABLE.

-----HEALTH EFFECTS AND FIRST AID -----

INHALATION - NORMAL SALINE:

ACUTE EXPOSURE: NO ADVERSE EFFECTS HAVE BEEN REPORTED.

CHRONIC EXPOSURE: NO DATA AVAILABLE.

FIRST AID:

IT IS UNLIKELY THAT EMERGENCY TREATMENT WILL BE REQUIRED. IF ADVERSE EFFECTS OCCUR, REMOVE FROM EXPOSURE, TREAT SYMPTOMATICALLY AND SUPPORTIVELY, AND GET MEDICAL ATTENTION.

SKIN CONTACT - NORMAL SALINE:

ACUTE EXPOSURE: NO ADVERSE EFFECTS HAVE BEEN REPORTED.

CHRONIC EXPOSURE: NO DATA AVAILABLE.

FIRST AID:

IT IS UNLIKELY THAT EMERGENCY TREATMENT WILL BE REQUIRED. IF ADVERSE EFFECTS OCCUR, WASH WITH LARGE AMOUNTS OF WATER AND MILD SOAP AND GET MEDICAL ATTENTION.

EYE CONTACT - NORMAL SALINE:

ACUTE EXPOSURE: NO ADVERSE EFFECTS HAVE BEEN REPORTED.

CHRONIC EXPOSURE: NO DATA AVAILABLE.

FIRST AID:

IT IS UNLIKELY THAT EMERGENCY TREATMENT WILL BE REQUIRED. IF ADVERSE EFFECTS OCCUR, WASH WITH WATER OR NORMAL SALINE AND GET MEDICAL ATTENTION.

INGESTION - NORMAL SALINE:

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ACUTE EXPOSURE: NO ADVERSE EFFECTS HAVE BEEN REPORTED.
CHRONIC EXPOSURE: NO DATA AVAILABLE.

FIRST AID:

IT IS UNLIKELY THAT EMERGENCY TREATMENT WILL BE REQUIRED. IF ADVERSE EFFECTS OCCUR, TREAT SYMPTOMATICALLY AND SUPPORTIVELY AND GET MEDICAL ATTENTION.

-----REACTIVITY -----

REACTIVITY:

STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.

INCOMPATIBILITIES:

SODIUM CHLORIDE INJECTION: NO DATA AVAILABLE.

DECOMPOSITION: NONE HAZARDOUS.

POLYMERIZATION:

HAZARDOUS POLYMERIZATION HAS NOT BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

-----STORAGE AND DISPOSAL -----

OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE.

STORAGE

STORE AWAY FROM SUBSTANCES INCOMPATIBLE WITH WATER.

CONDITIONS TO AVOID: NO REPORTS FOUND.

-----SPILL AND LEAK PROCEDURES -----

OCCUPATIONAL SPILL: MOP UP.

-----PROTECTIVE EQUIPMENT -----

VENTILATION:

PROVIDE GENERAL DILUTION VENTILATION.

RESPIRATOR:

BASED ON THE COMPONENTS PRESENT AND/OR INFORMATION IN PHYSICAL DATA, HEALTH EFFECTS OR TOXICITY SECTIONS. NO RESPIRATOR WOULD BE REQUIRED UNDER THE NORMAL CONDITIONS OF USE. HOWEVER, AIR CONTAMINATION MONITORING SHOULD BE CARRIED OUT TO ASSURE THAT THE EMPLOYEES ARE NOT EXPOSED TO HARMFUL CONCENTRATIONS OF ANY OF THE ABOVE MENTIONED COMPONENTS.

IF RESPIRATORY PROTECTION IS REQUIRED, IT MUST BE BASED ON THE CONTAMINATION LEVELS FOUND IN THE WORKPLACE, MUST NOT EXCEED THE WORKING LIMITS OF THE RESPIRATOR AND BE JOINTLY APPROVED BY THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH AND THE MINE SAFETY AND HEALTH ADMINISTRATION (NIOSH-MSHA).

IF SUBSTANCE IS INVOLVED IN SURROUNDING FIRE, USE RESPIRATORY PROTECTION FOR FIREFIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS:

ANY SELF-CONTAINED BREATHING APPARATUS THAT HAS A FULL FACEPIECE AND IS OPERATED IN A PRESSURE-DEMAND OR OTHER POSITIVE-PRESSURE MODE.

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ANY SUPPLIED-AIR RESPIRATOR THAT HAS A FULL FACEPIECE AND IS OPERATED IN A PRESSURE-DEMAND OR OTHER POSITIVE-PRESSURE MODE IN COMBINATION WITH AN AUXILIARY SELF-CONTAINED BREATHING APPARATUS OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE-PRESSURE MODE.

CLOTHING:

PROTECTIVE CLOTHING NOT REQUIRED.

GLOVES:

PROTECTIVE GLOVES ARE NOT REQUIRED.

EYE PROTECTION: NOT REQUIRED.

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CREATION DATE: 12/04/91
REVISION DATE: 02/07/96

-ADDITIONAL INFORMATION-

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