

FISHER SCIENTIFIC -- H-323, HYDROGEN PEROXIDE 30% -- 6810-00-490-0423

===== Product Identification =====

Product ID:H-323, HYDROGEN PEROXIDE 30%

MSDS Date:12/21/1988

FSC:6810

NIIN:00-490-0423

MSDS Number: BPKNB

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100;800

-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

===== Composition/Information on Ingredients =====

Ingred Name:HYDROGEN PEROXIDE, 30% (SARA III)

CAS:7722-84-1

RTECS #:MX0900000

Fraction by Wt: 30%

OSHA PEL:1 PPM

ACGIH TLV:1 PPM

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 70%

Ing

red Name:MAY CONTAIN INGREDIENTS 4 OR 5 AS AN INHIBITOR.
RTECS #:9999999ZZ

Ingred Name:DISODIUM STANNATE; (SODIUM STANNATE)
CAS:12058-66-1
RTECS #:JN6345000

Ingred Name:ACETANILIDE
CAS:103-84-4
RTECS #:AD7350000

Ingred Name:EXPLO HAZ: COMBUST MATTER. CONT W/EASILY OXIDIZABLE,
ORG/OTHER COMBUST MATLS MAY RSLT IN IGNIT, VIOLENT COMBUST/EXPLO.
RTECS #:9999999ZZ

Ingred Name:HAZ DECOMP PROD: WITH ROUGH SURFACES, ALKALIS, FINELY
DIVIDED METALS, AND MANY OTHER SUBSTANCES.
RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP: CAUSE BLEACHING OF HAIR, DERM, IN SOME
INDIV, ECZEMA. EYE: MAY CAUSE CONJUNCT & LACRIMATION. (ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8:INGEST: AS EVALUATED BY RTECS,ADMIN TO MICE BY INGEST
RSLTD IN STATISTICALLY SIGNIFICANT INCR IN INCIDENCE(ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 6: OF GASTROINTESTINAL TUMORS.
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC: EVIDENCE OF CHEM REMAINS (AT LEAST 15-20
MIN). IN CASE OF CHEM BURNS, COVER AREA W/STERILE,
DRY (ING 12)
RTECS #:9999999ZZ

Ingred Name:ING 11:DRESSING. BANDAGE SECURELY, BUT NOT TOO TIGHTLY. GET
MED ATTN IMMED. EYE: WASH EYES IMMED W/LRG AMTS OF (ING 13)
RTECS #:9999999ZZ

Ingred Name:ING 12: H*2O,OCCAS LIFTING UPPER & LOWER LIDS, UNTIL NO
EVIDENCE OF CHEM REMAINS (AT LEAST 15-20 MIN). CONTINUE (ING 14)
RTECS #:9999999ZZ

Ingred Name:ING 13: IRRIGATING W/NORM SALINE UNTIL PH HAS RETURNED TO
NORM (30-60 MIN). COVER W/STERILE BANDAGES. GET MED (ING 15)
RTECS #:9999999ZZ

Ing

red Name:ING 14: ATTN IMMED. INGEST: IF VICTIM IS CONSCIOUS, IMMED
GIVE 2-4 GLASSES OF H*2O, & INDUCE VOMIT BY TOUCHING (ING 16)
RTECS #:9999999ZZ

Ingred Name:ING 15: FINGER TO BACK OF THROAT. GET MED ATTN IMMED.
ANTIDOTE: NO SPECIFIC ANTIDOTE. TREAT SYMP AND SUPPORTIVELY.
RTECS #:9999999ZZ

Ingred Name:SPILL PROC: MATL INTO CLEAN, DRY CNTNR & COVER. MOVE CNTNRS
FROM SPILL AREA. FOR SML LIQ SPILLS, FLUSH AREA W/ (ING 18)
RTECS #:9999999ZZ

Ingred Name:ING 17: FLOODING AMTS OF H*2O.
FOR LRGR SPILLS, DIKE FAR
AHEAD OF SPILL FOR LATER DISP. KEEP UNNEC PEOPLE AWAY. (ING 19)
RTECS #:9999999ZZ

Ingred Name:ING 18: ISOLATE HAZARD AREA AND DENY ENTRY.
RTECS #:9999999ZZ

Ingred Name:OTHER PREC: LOCATED. SEC 303 OF SARA REQS THESE FACILITIES
TO PARTICIPATE IN LOC EMER RESPONSE PLANNING (ING 21)
RTECS #:9999999ZZ

Ingred Name:ING 20:(40 CFR 355.30). MAY IGNIT OTHER COMBUST MATLS
(WOOD, PAPER, OIL, ETC.). RXN W/FUELS MAY BE VIOLENT. FLAM(ING 22)
RTECS #:9999999ZZ

Ingred N
ame:ING 21: POIS GASES MAY ACCUMULATE IN TANKS AND HOPPER CARS.
RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.
RTECS #:9999999ZZ

==== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:(ACUTE)INHAL: MAY CAUSE IRRIT & INFLAM
OF RESP TRACT, SORE THROAT, COUGHING, DYSPNEA, LABORED

BRTHG, &

DELAYED PULM EDEMA. SKIN: MAY CAUSE IRRIT, PAIN, BLEACHING OF SKIN & HAIR, & ON PRLNGD CONT W/LIQ, BURNS. EYE: VAPS MAY CAUSE IRRIT, PAIN & BLURRED VISION. DIRECT CONT W/LIQ MAY CAUSE CORNEAL BURNS & (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: POSS BLINDNESS. INGEST: MAY CAUSE SORE THROAT, FOCAL & DIFFUSE BURNS OF ESOPHAGUS, ABDOMINAL PAIN, CHEST PAIN, VOMIT, DIARR, & DISTENTION & DMG OF ESOPHAGUS, STOMACH

/ABDOMEN DUE TO RELS OF O*2. (CHRONIC)INHAL: RPTD/PRLNGD EXPOS MAY CAUSE SNEEZING, LACRIM, & BLEACHING OF HAIR. SKIN: RPTD/PRLNGD EXPOS MAY(ING 8

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

=====
First Aid Measures
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First Aid:INHAL:REMOVE FROM EXPOS AREA TO FRESH AIR IMMED. IF BRTHG HAS STOPPED, PERFORM ARTF RESP. MAINTAIN AIRWAY & BLOOD PRESS & ADMIN O*2 IF AVAIL. KEEP AFFECTED PERSON WARM & AT REST. TREAT SYM

P &

SUPPORTI VELY. ADMIN OF O*2 SHOULD BE PERFORMED BY QUALIFIED PERS. GET MED ATTN IMMED. SKIN: REMOVE CONTAM CLTHG & SHOES IMMED. WASH AFFECTED AREA W/SOAP/MILD DETERGENT & LRG AMTS OF H*2O UNTIL NO (ING 11)

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Fire Fighting Measures
=====

Flash Point:NON-COMBUSTIBLE

Extinguishing Media:WATER ONLY, NO DRY CHEMICAL, CARBON DIOXIDE OR HALON. FOR LARGER FIRES, FLOOD AREA WITH WATER FROM A DISTANCE.

Fire Fighting Procedures:WEAR NIOSH/MSHA

APPRVD SCBA/FULL PROT

EQUIP.MOVE CNTNRS FROM FIRE AREA IF POSS.COOL CNTNRS EXPOS TO FLAMES W/H*2O FROM SIDE UNTIL WELL AFTER FIRE (SUPDAT)

Unusual Fire/Explosion Hazard:NEGLIG FIRE HAZ WHEN EXPOS TO HEAT/FLAME.

OXIDIZER: OXIDIZERS DECOMPOSE, ESPEC WHEN HEATED, TO YIELD O*2/OTHER GASES WHICH WILL INCR BURNING RATE OF (ING 6)

=====
Accidental Release Measures
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Spill Release Procedures:OCCUP SPILL:KEEP COMBUST (WOOD, PAPER, OIL, ETC.) AWAY FRO

M SPILLED MATL. DO NOT TOUCH SPILLED MATL. STOP LEAK
IF YOU CAN DO IT W/OUT RISK. USE H*2O SPRAY TO REDUCE VAPS. DO NOT
GET H*2O INSIDE CNTNR. FOR SML DRY SPILLS, W/CLEAN SHOVEL PLACE
(ING 17)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:OBSERVE ALL FEDERAL, STATE AND LOCAL
REGULATIONS WHEN STORING OF SUBSTANCE. FOR ASSISTANCE, CONTACT
DISTRICT DIRECTOR OF ENVIRONMENT

AL PROT AGENCY.

Other Precautions:STORE AWAY FROM INCOMPATIBLE SUBSTANCES. SARA SEC 302
REQS EACH FACILITY WHERE AN EXTREM HAZ SUBSTANCE IS PRESENT IN QTY
EQUAL TO/>TPQ ESTABLISHED FOR THAT SUBSTANCE NOTIFY STATE EMER
RESPONSE COMMISI ON FOR STATE IN WHICH IT IS (ING 20)

===== Exposure Controls/Personal Protection =====

Respiratory Protection:SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON
CONTAMINATION LEVELS FOUND IN WORK PLACE AND BE JOINTLY APPROVED BY
N

IOSH/MSHA. 10 PPM: SUPPLIED AIR/SCBA. 75 PPM: SUPPLIED AIR OR SCBA
W/FULL FACEPIECE. ESCAPE: GAS MASK WITH CANISTER.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION AND/OR GENERAL DILUTION
VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:PROTECTIVE (IMPERVIOUS) CLOTHING AND
EQUIPMENT. EMERGENCY EYEWASH & DELUGE SHOWER .

Work Hygienic Practices:CONTACT LENSES SHOULD NOT BE WORN.

Sup

plemental Safety and Health

FIRE FIGHT PROC: IS OUT. STAY AWAY FROM STOR TANK ENDS. FOR MASS FIRE
IN STOR AREA, USE UNMANNED HOSE HOLDER/MONITOR NOZ; ELSE WITHDRAW
FROM AREA & LET FIRE BURN. USE H*2O IN FLOODING AMTS AS FOG. COO L
CNTNRS W/FLOODING QTYS OF H*2O, APPLYFROM AS FAR A DISTANCE AS
POSS. AVOID BREATHING TOXIC VAPORS, KEEP UPWIND.

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:223F,106C

Melt/Freeze Pt:M.P/F.P Text:-13F,-25C

V

apor Pres:25 @ 30C

Vapor Density:1.2

Spec Gravity:1.1

Solubility in Water:SOLUBLE

Appearance and Odor:COLORLESS, CLEAR WATER-LIKE LIQUID WITH SLIGHTLY SHARP ODOR AND BITTER TASTE.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:NO

CONTACT NEHC FOR INFORMATION REGARDING INCOMPATIBLE MATERIALS .

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:THERM DECOMP RELS FLAM O*2 & HEAT. RXN
BEC

OMES SELF-SUSTAINED AT 141C. DECOMP IS ACCELERATED BY AGITATION,
CONT (ING 7)

===== Disposal Considerations =====

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS
WHEN DISPOSING OF SUBSTANCE. FOR ASSISTANCE, CONTACT DISTRICT
DIRECTOR OF ENVIRONMENTAL PROTECTION AGENCY.

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