

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 Name: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 =====

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)

===== 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 =====

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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