

MSDS NAME:FISHERBRAND ULTRASONIC CLEANING SOLUTION 15-336-26

NIIN:00N044631

MSDS Number: CDWHV

=== Responsible Party ===

Company:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company: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 =====

Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 50-60%

OSHA PEL:N/K

ACGIH TLV:N/K

Name:SUPDAT:ISOLATE FOR 1/2 MILE IN ALL DIRECTIONS IF TANK, RAIL
CAR/TANK TRUCK INVOLVED IN FIRE. USE H*2O IN (ING 5)

RTECS #:9999999ZZ

Name:ING 4:FLOODING AMOUNTS AS FOG, SOLID STREAMS MAY NOT BE
EFFECTIVE, APPLY FROM AS FAR A DISTANCE AS POSSIBLE. (ING 6)

RTECS #:9999999ZZ

Name:ING 5:AVOID BREATHING VAPORS. KEEP UPWIND.

RTECS #:9999999ZZ

Name:MATLS TO AVOID:FOR A COMPLETE LIST OF MATERIALS TO AVOID

CONTACT NECH .

RTECS #:9999999ZZ

Name:EFTS OF OVEREXP:HRS AFTER EXPOS. CHRONIC:REPRO EFTS HAVE
BEEN RPTD IN ANIMALS. THERE HAS BEEN AN INCR INCIDENCE (ING 9)
RTECS #:9999999ZZ

Name:ING 8:OF CANCER OF THE PARANASAL SINUSES, & POSSIBLY THE
LARYNX, IN THE MFR OF ISOPROPYL ALCOHOL BY THE STRONG (ING 10)
RTECS #:9999999ZZ

Name:ING 9:ACID PROCESS, INVOLVING THE FORMATION OF ISOPROPYL
OILS. IT IS NOT CLEAR WHICH SUBSTANCES ARE RESPONSIBLE.(ING 11)
RTECS #:9999999ZZ

Name:ING 10:MAY CAUSE DERMATITIS DUE TO DEFATTING. MAY CAUSE
CONJUNCTIVITIS. PROLONG ORAL ADMINISTRATION IN RABBITS (ING 12)
RTECS #:9999999ZZ

Name:ING 11:PRDCED ANESTHESIA & DEATH. REPROD EFTS HAVE BEEN
RPTD IN ANIMALS. FOR MORE SPECIFIC INFO CONTACT NEHC .
RTECS #:9999999ZZ

Name:FIRST AID PROC:EVID OF CHEM REMAINS (APPROX 15-20 MIN). GET
MED ATTN. INGEST:TREAT SYMPTOMATICALLY, GET MED (ING 14)
RTECS #:9999999ZZ

Name:ING 13:ATTENTION IMMEDIATELY. IF VOMITING OCCURS, KEEP HEAD
LOWER THAN HIPS TO PREVENT ASPIRATION.
RTECS #:9999999ZZ

Name:SODIUM COCOAMPHOACETATE
CAS:61791-32-0
Fraction by Wt: 35-40%
OSHA PEL:N/K
ACGIH TLV:N/K

Name:ISOPROPYL ALCOHOL (SARA 313) LD50 (ORAL, RAT):5045 MG/KG
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: <5.0%
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9495

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Hazards Identification
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LD50 LC50 Mixture:SEE INGREDIENT 2

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ISOPROPYL ALCOHOL: ACUTE:INHAL:400 PPM FOR 3-5 MIN CAUSES MILD IRRIT OF THE NOSE & THROAT. AT 800 PPM IRRIT NOT SEV BUT UNCOMFORTABLE. HIGHER CONCS MAY CAUSE EFTS AS DETAILED IN ACUTE INGEST. SKIN:MAY CAUSE SLIGHT IRRIT. CNTCT DERM HAS BEEN RPTD. MAY BE ABSORBED RSLTG IN SYSTEMIC TOX. EYE CNTCT: (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:400-800 PPM MAY CAUSE IRRIT. INGEST:MAY CAUSE ABDOM PAIN, HEMATEMESIS, NAUSEA, VOMIT, & HEMORRHAGE. CNS DEPRESS MAY OCCUR W/HDCH, DIZZ, FLUSHING, INCOORD, CONFUSN, COMA. OTHER SYMPS MAY INCL HYPOGLYCEMIA, ARRHYTHMAS, & VOMIT W/ASPIR. DEPRESSED-RESP & DEATH DUE TO RESP PARALYSIS MAY OCCUR IN A FEW (ING 8)

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS; IMPAIRED LIVER, RENAL AND/OR PULMONARY FUNCTION.

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First Aid Measures
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First Aid:INHAL:REMOVE TO FRESH AIR IMMED. IF BRTHG STOPPED, PERFORM ARTF RESP. KEEP WARM & AT REST, TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET MED ATTN. SKIN:REMOVE CONTAMD CLTHG & SHOES IMMED. WASH AFFECTED AR EA W/SOAP/MILD DETERGENT & H*2O UNTIL NO EVID OF CHEM REMAINS (APPROX 15-20 MIN). GET MED ATTN. EYE:WASH IMMED W/LRG AMTS OF H*2O/NORMAL SALINE, OCCAS LIFTING UPPER & LOWER LIDS, UNTIL NO (ING 13)

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Fire Fighting Measures
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Flash Point:109F,43C

Extinguishing Media:DRY CHEM, CARBON DIOXIDE, WATER SPRAY/ALCOHOL-RESISTANT FOAM. FOR LRGR FIRES, USE WATER SPRAY, FOG/ALCOHOL-RESIST FOAM.

Fire Fighting Procedures:USE NIOSH APPRVD SCBA & FULL PROT EQUIP . MOVE CNTNR FROM FIRE AREA W/OUT RISK, APPLY COOLING H*2O TO SIDES OF CNTNRS EXPOS TO FLAMES UNTIL WELL (SUPDAT)

Unusual Fire/Explosion Hazard:MODERATE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.

===== Accidental Release Measures =====

Spill Release Procedures:SHUT OFF IGNITION SOURCES. STOP LEAK IF YOU CAN W/OUT RISK. USE WATER SPRAY TO REDUCE VAPORS. SMALL SPILLS-TAKE UP W/SAND/OTHER ABSORBENT MATERIAL & PLACE INTO CONTAINERS FOR LATER DISPOSAL. LARGER SPILLS-DIKE FAR AHEAD OF SPILL FOR LATER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN ACCORDANCE WITH 29 CFR 1910.106. STORE AT ROOM TEMPERATURE, AWAY FROM INCOMPATIBLE SUBSTANCES.

Other Precautions:BONDING & GROUNDING:SUBSTANCES W/LOW ELECTROCONDUCTIVITY, WHICH MAY BE IGNITED BY ELECTROSTATIC SPARKS, SHOULD BE STORED IN CNTNRS WHICH MEET THE BONDING & GROUNDING GUIDELINES SPECIFIED IN NFPA 77-19 8, REC PRACTICE ON STATIC ELECTRICITY.

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

Respiratory Protection:ANY NIOSH APPRVD CHEM CARTRIDGE RESP W/ORG VAP CARTRIDGE(S) AND FULL FACEPIECE. ANY NIOSH APPRVD GAS MASK W/ORG VAP CANISTER (CHIN STYLE OR FRONT-OR BACK-MOUNTED CANISTER) W/FULL FACEPIECE. FOR MORE RESP SELECTIONS CONTACT NEHC .

Ventilation:PROVIDE GENERAL DILUTION VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS. VENTILATION EQUIPMENT MUST BE EXPLOSION-PROOF.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:ANSI APPRVD EMER EYE WASH & DELUGE SHOWER . APPROPRIATE PROTECTIVE CLOTHING & EQUIP TO PVNT RPTD/PRLNG CONTACT.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

PH:12.0-12.5 (CONC) FIRE FIGHT PROC:AFTER FIRE IS OUT. STAY AWAY FROM ENDS OF TANKS, FOR MASSIVE FIRE IN CARGO AREA. USE UNMANNED HOSE HOLDER/MONITOR NOZZLES; IF IMPOSSIBLE, W/DRAW FROM AREA & LET BURN. W/DRAW IMMED IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE/ANY DISCOLORATION OF TANKS DUE TO FIRE. (ING 4)

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

Boiling Pt:B.P. Text:>210F,>99C

Melt/Freeze Pt:M.P/F.P Text:<32F,<0C

Spec Gravity:1.02

pH:SUPDAT

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:COMPLETE

Appearance and Odor:PALE AMBER LIQUID WITH A CHARACTERISTIC DETERGENT ODOR.

Percent Volatiles by Volume:80

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ACIDS, HYDROGEN PEROXIDE, ACETALDEHYDE, PERCHLORIC ACID. (ING 7)

Stability Condition to Avoid:AVOID CONTACT WITH HEAT, SPARKS, FLAMES, OR OTHER SOURCES OF IGNITION.

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE TOXIC AND/OR HAZARDOUS GASES.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE, 40 CFR 262. EPA HAZARDOUS WAST NUMBER D001. 100 POUND CERCLA SECTION 103 REPORTABLE QUANTITY.

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