

CUST126

HILLSBORO ELEMENTARY SCHOOLS

715 S.E. 6th Ave.  
HILLSBORO, OR 97123

MATERIAL SAFETY DATA SHEET.

CM 0170



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MATERIAL SAFETY DATA SHEET  
ESSENTIALLY SIMILAR TO FORM OSHA 174

SECTION I. IDENTIFICATION OF PRODUCT

FIRST RINSE FL374

IDENTITY:

MSDS NUMBER: 374

DATE PREPARED: 1-1-90

REVISION: 2

HAZARD RATING:

4 = EXTREME

1 = SLIGHT

3 = HIGH

0 = INSIGNIFICANT

2 = MODERATE

\* = SEE SECTION IV

TOXICITY: 0

FIRE: 0

REACTIVITY: 0

SPECIAL:

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY-COMMON NAME(S):

ACETIC ACID (ETHANOIC ACID)

CAS NUMBER: 64-19-7

OSHA PEL: TWA 10PPM

ACGIH TLV: TWA 10PPM

OTHER LIMITS RECOMMENDED: STEL 15PPM

X (OPTIONAL): <5%

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212 F

VAPOR PRESSURE (MM HG.): 877 F 23 MM

VAPOR DENSITY (AIR = 1): <1

SOLUBILITY IN WATER: COMPLETE

APPEARANCE: CLEAR BLUE LIQUID

ODOR: ACETIC, FRESH BOUQUET

SPECIFIC GRAVITY (H2O=1): 1.008

MELTING POINT: NA

VAPORATION RATE

(BUTYL ACETATE = 1):

PH @ 77 F: 2.6

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT(METHOD USED): NONE PHCC

FLAMMABLE LIMITS: NA

LEL: NA

UEL: NA

EXTINGUISHING MEDIA: USE ANY APPROPRIATE MEDIUM TO EXTINGUISH SURROUNDING FIRE

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS AND COMPLETE PROTECTIVE CLOTHING.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

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#### SECTION V. HEALTH HAZARD DATA

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ROUTE(S) OF ENTRY: INHALATION? X EYES? X SKIN? INGESTION?

(ACUTE) HEALTH HAZARDS:

EYES: DIRECT CONTACT WITH EYES MAY CAUSE SLIGHT IRRITATION. PROLONGED CONTACT WITH EYES MAY CAUSE DERMATITIS.

SKIN: PROLONGED OR REPEATED CONTACT WITH SKIN MAY CAUSE IRRITATION. OVER EXPOSURE MAY CAUSE DERMATITIS.

INGESTION: SWALLOWING LARGE AMOUNTS MAY CAUSE NAUSEA.

INHALATION: BREATHING SPRAY OR MIST MAY IRRITATE THE MUCOUS MEMBRANES, CAUSING CHEST DISCOMFORT.

(CHRONIC) HEALTH HAZARDS:

NONE

SIGNS AND SYMPTOMS OF EXPOSURE:

EYES: WATERING OF EYES, STINGING SENSATION.

SKIN: PROLONGED CONTACT, SLIGHT STINGING SENSATION.

INGESTION: LARGE-NAUSEA, BURNING SENSATION OF THE DIGESTIVE TRACT.

INHALATION OF MIST OR LIQUID: WATERING OF EYES, SNEEZING AND COUGHING.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

NONE

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH LARGE VOLUMES OF RUNNING WATER FOR 15 MINUTES. IF IRRITATION OCCURS OBTAIN MEDICAL ATTENTION.

SKIN: WASH WITH SOAP AND WATER, REMOVE CONTAMINATED CLOTHING. IF IRRITATION OCCURS OBTAIN MEDICAL ATTENTION.

INGESTION: IF SWALLOWED DRINK TWO OR MORE LARGE GLASSES OF WATER OR MILK. OBTAIN MEDICAL ADVICE.

INHALATION: IF INHALED, REMOVE PERSON TO FRESH AIR. IF CHEST DISCOMFORT OR DIFFICULTY OF BREATHING OCCURS OR PERSISTS, OBTAIN MEDICAL ATTENTION.

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#### SECTION VI. TOXICITY DATA

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CARCINOGENICITY: NO NTP? IARC MONOGRAPHS? OSHA REGULATED?

ORAL: ACETIC ACID LD50 (RAT) = 3310 MG/KG

DERMAL: LD50 (RABBIT) = 1060 MG/KG

INHALATION: LC50 (MOUSE) 5620 PPM/1H

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SECTION VII. REACTIVITY DATA

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STABILITY

UNSTABLE:

STABLE: X

CONDITIONS TO AVOID:

INCOMPATIBILITY (MATERIALS TO AVOID): ALKALIES, AMINES AND NITRIC ACID

HAZARDS DECOMPOSITION OR BYPRODUCTS: THERMAL DECOMPOSITION MAY PRODUCE SMALL AMOUNTS OF OXIDES OF CARBON.

HAZARDOUS POLYMERIZATION - MAY OCCUR:  
WILL NOT OCCUR: X  
CONDITIONS TO AVOID:

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SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

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

SMALL SPILLS: MOP OR WIPE UP SPILL, FLUSH WITH LOTS OF WATER TO REMOVE RESIDUE

LARGE SPILLS: DIKE UP MATERIAL TO PREVENT RUN-OFF. PIKE UP AND PLACE IN DOT-APPROVED CONTAINERS FOR DISPOSAL. COMPLY WITH ALL APPLICABLE GOVERNMENTAL REGULATION ON SPILL REPORTING.

WASTE DISPOSAL METHOD:

DISPOSE OF CONTAMINATED PRODUCT AND MATERIAL USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE, AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES. EMPTY CONTAINERS ARE SUBJECT TO PROPER WASTE DISPOSAL.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE IN A COOL, DRY PLACE. KEEP FROM FREEZING. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF EYES AND OFF SKIN.

OTHER PRECAUTIONS:

FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

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SECTION IX. CONTROL MEASURES

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RESPIRATORY PROTECTION (SPECIFY TYPE): CONFINED AREAS. FRESH AIR MASK.

VENTILATION: GOOD ROOM

LOCAL EXHAUST: NOT NEEDED

MECHANICAL (GENERAL): GENERAL AIR CONDITIONER

SPECIAL: NA

OTHER:

PROTECTIVE GLOVES: RUBBER - TO HANDLE CONCENTRATE

EYE PROTECTION: SAFETY GLASSES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE

WORK/HYGIENIC PRACTICES:

THE RECOMMENDATIONS DESCRIBED IN THIS SECTION ARE PROVIDED AS GENERAL GUIDANCE

FOR MINIMIZING EXPOSURE WHEN HANDLING THIS PRODUCT. BECAUSE USE CONDITIONS WILL VARY DEPENDING UPON CUSTOMER APPLICATIONS. SPECIFIC SAFE HANDLING PROCEDURES SHOULD BE DEVELOPED BY PERSON KNOWLEDGEABLE OF THE INTENDED USE, CONDITIONS AND EQUIPMENT.

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SECTION X. DOT HAZARDOUS INFORMATION  
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UN/NA: NA  
CLASSIFICATION: NA  
PROPER SHIPPING NAME: NA  
PHOTO CHEMICALLY REACTIVE? \_\_\_\_\_X  
NON-PHOTO CHEMICALLY REACTIVE? \_\_\_\_\_ <4X \_\_\_\_\_ >4X \_\_\_\_\_ NA

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SECTION XI. MISCELLANEOUS INFORMATION  
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NONE

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NOTICE

ALL INFORMATION, RECOMMENDATIONS, AND SUGGESTIONS APPEARING HEREIN CONCERNING THIS PRODUCT ARE BASED UPON DATA OBTAINED FROM THE MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES; HOWEVER, FLO-KEM, INC. MAKES NO WARRANTY, REPRESENTATION OR GUARANTY AS TO THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THE MATERIAL SET FORTH HEREIN. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SAFETY, TOXICITY AND SUITABILITY OF HIS OWN USE, HANDLING AND DISPOSAL OF THE PRODUCT. ADDITIONAL PRODUCT LITERATURE MAY BE AVAILABLE UPON REQUEST. SINCE ACTUAL USE BY OTHERS IS BEYOND OUR CONTROL, NO WARRANTY, EXPRESS OF IMPLIED, IS MADE BY FLO-KEM, INC. AS TO THE EFFECTS OF SUCH USE, THE RESULTS TO BE OBTAINED OR THE SAFETY AND TOXICITY OF THE PRODUCT, NOR DOES FLO-KEM, INC. ASSUME ANY LIABILITY ARISING OUT OF USE BY OTHERS OF THE PRODUCT.

NA - NOT APPLICABLE  
S - MAY BE ABSORBED THROUGH INTACT SKIN  
ND - NO DATA AVAILABLE

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