

HF SCIENTIFIC INC. -- WIDE RANGE PH INDICATOR;CAT NO.12167,12168 -- 6810-00-937-0975

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Product Identification
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Product ID:WIDE RANGE PH INDICATOR;CAT NO.12167,12168

MSDS Date:03/01/1991

FSC:6810

NIIN:00-937-0975

MSDS Number: BJXPR

=== Responsible Party ===

Company Name:HF SCIENTIFIC INC.

Address:3052 METRO PARKWAY S.E.

City:FORT MYERS

State:FL

ZIP:33916-7539

Country:US

Info Phone Num:813

-337-2116

Emergency Phone Num:813-337-2116

CAGE:58177

=== Contractor Identification ===

Company Name:HF SCIENTIFIC INC.

Address:3170 METRO PARKWAY S.E.

City:FORT MYERS

State:FL

ZIP:33916-7539

Country:US

Phone:941-337-2116

CAGE:58177

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Composition/Information on Ingredients
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Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 24.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

Ingred Name:METHYL ALCOHOL (METH

ANOL) (SARA III)
CAS:67-56-1
RTECS #:PC1400000
Other REC Limits:NONE SPECIFIED
OSHA PEL:S,200PPM/250STEL
ACGIH TLV:S,200PPM/250STEL; 93
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:OTHER COMPONENTS (TYPE NOT SPECIFIED)
Fraction by Wt: BALANCE
Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:
ACUTE: INHALATION:MAY CAUSE HEADACHE,
DROWINESS & LASSITUDE.IRRITATION OF THE THROAT. INGESTION:CAN CAUSE
DEPRESSION OF CNS, NAUSEA, VOMITING & DIARRHEA. EYE:LIQUID OR VAPOR
MAY CAUSE IRRITATION. SKIN :MAY CAUSE IRRITATION AND DEFATTING OF
SKIN ON PROLONGED CONTACT.
Explanation of Carcinogenicity:DATA PER MSDS
Effects of Overexposure:SEE HEALTH HAZARDS DATA.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE SKI
N, EYE, RESPIRATORY
TRACT, LIVER OR KIDNEY MAY BE AT INCREASED RISK FROM EXPOSURE.

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===== First Aid Measures =====

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED
CLOTHIN G. FLUSH WITH WATER. IF IRRITATION PERSISTS, GET MEDICAL
ADVICE. INGESTION:DO NOT INDUCE VOMITING UNLESS INSTRUCTE
D TO DO
SO. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL
ATTENTION.

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===== Fire Fighting Measures =====

Flash Point Method:CC
Flash Point:53.6F,12.0C
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Haz

ard:MAY CATCH FIRE IF HEATED OR DUE TO
EXTREME HEAT.COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS
DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:WEAR APPROPRIATE RESPIRATORY PROTECTION AND
PROTECTIVE CLOTHING. CONTAIN SPILLED MATERIAL. TRANSFER TO SECURE
CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MEDIA.
ELIMINATE ANY SOURCE OF IGNITION. VENTILATE AREA. WASH RESIDUE
WITH WATER.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A FLAMMABLE LIQUID STORAGE
ROOM OR CABINET. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.
PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:AVOID CONTACT WITH EYES AND SKIN.DO NOT TAKE
INTERNALLY.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALA
TION

EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS.
RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION
OF CONTAMINANT IN AIR & IN ACCORDANCE WITH OSHA (29 CFR 1910.134).

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE.

Protective Gloves:NEOPRENE, NITRILE, VPC OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTH

ING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR
FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO
NOT BREATHE VAPORS OR MISTS.

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

HCC:F2

Solubility in Water:SOLUBLE

Appearance and Odor:DARK GREEN LIQUID,ALCOHOLIC ODOR

===== Stability a

nd Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION

Hazardous Decomposition Products: NOT KNOWN

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

Waste Disposal Methods: ALL RECOVERED MATERIAL SHOULD BE PACKAGED,
LABELED, TRANSPORTED, AND DISPOSED OR RECLAIMED IN ACCORDANCE WITH
ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGUL
ATIONS AND IN
CONFORMANCE WITH GOOD ENGINEERING PRACTICES.

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