

INTEGRATED INGREDIENTS -- FLEISCHMANN'S VINEGAR -- 8950-01-079-3978

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

Product ID:FLEISCHMANN'S VINEGAR

MSDS Date:10/01/1985

FSC:8950

NIIN:01-079-3978

MSDS Number: BTHJR

=== Responsible Party ===

Company Name:INTEGRATED INGREDIENTS

Address:1420 HARBOR BAY PARKWAY,SUITE 210

City:ALAMEDA

State:CA

ZIP:94501

Country:US

Info Phone Num:800-548-8361

Emergency Phone Num:800

-548-8361

CAGE:MO847

=== Contractor Identification ===

Company Name:INTEGRATED INGREDIENTS

Address:1420 HARBOR BAY PARKWAY,SUITE 210

Box:City:ALAMEDA

State:CA

ZIP:94501

Country:US

Phone:800-548-8361

CAGE:MO847

Company Name:MASADA ENTERPRISES LTD (914-343-0756)

CAGE:2K907

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

Ingred Name:ACETIC ACID (SARA III)

CAS:64-19-7

RTECS #:AF1225000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 PPM

ACGIH TLV:10 PPM/15 STEL; 9394

EPA Rpt Qt

y:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD 50 ORAL RAT IS 3310 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL:VAPORS MAY CAUSE RESPIRATORY IRRITATION.SKIN:MAY CAUSE MILD BURNS.MAY CAUSED DERMATITIS IN SENSITIVE INDIVIDUALS.EYES:MAY CAUSE SEVERE BURNS,POSSIBLY LEADING TO BLINDNESS.POSSIBLE CONJUNCTIVITIS .INGEST:MAY CAUSE GI TRACT IRRITATION.
Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYES/SKIN: SEVERE IRRITATION AND BURNS. INHALATION: SEVERE IRRITATION TO RESPIRATORY SYSTEM. INGESTION: SEVERE BURNING TO MOUTH AND STOMACH, NAUSEA, VOMITING, LOSS OF CONSCIOUSNESS.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PREEXISTING EYE, SKIN OR RESPIRATORY DISEASES MAY BE MORE AT RISK BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES/SKIN: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.SEE DOCTOR. INHALATION: REMOVE VICTIM TO FRESH AIR.GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR. I NGESTION: DO NOT INDUCE VOMITING. GIVE WATER, MILK OR MILK OF MAGNESIA. SEE DOCTOR IMMEDIATELY. NOTHING BY MOUTH IF UNCONSCIOUS.DO NOT GIVE EMETICS OR BAKING SODA.

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

Flash Point Method:CC
Flash Point:104F,40C
Autoignition Temp:Autoignition Temp Text:800C
Lower Limits:4.0
Upper Limits:16.0
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. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:COMBUSTION O

R HEAT OF FIRE MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. COMBUSTIBLE AND
CORROSIVE VAPORS. FIGHT FIRE FROM DISTANCE.

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

Spill Release Procedures:REMOVE PERSONNEL. ELIMINATE IGNITION SOURCES.
VENTILATE AREA. WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED
BREATHING APPARATUS. NEUTRALIZE SPILL. ABSORB IN INERT MATERIAL AND
PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER. FLUSH AREA WITH
WATER

R
Neutralizing Agent:SODA ASH OR LIME.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED
AREA. FLAMMABLE LIQUID STORAGE AREA OR CABINET. KEEP CONTAINERS
TIGHTLY CLOSED.

Other Precautions:AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.

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

Respiratory Protection:NIOSH/MSHA-APPROVED RESPIRATOR OR SCBA AS
APPROPRIATE FOR EXPOSURE OF
CONCERN.

Ventilation:MECHANICAL (GENERAL) VENTILATION OR LOCAL EXHAUST
VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE
EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY
SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
h
NONE.

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

HCC:C2

Boiling Pt:=117.8C, 244.F

Vapor Pres:11

Vapor Density:2.1

Spec Gravity:1.01

pH:2.2

Evaporation Rate & Reference:0.9 (BUTYL ACETATE = 1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID, PUNGENT ODOR,
CHARACTERISTIC OF VINEGAR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
STRONG OXI

DIZING AGENTS SUCH AS CHROMIC ACID, SODIUM PEROXIDE, NITRIC ACID, METALS.AVOID CAUSTIC(CAUSES SPATTERING).
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER D001, D002 (IGNITABLE, CORROSIVE WASTE).

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and

assume responsibility for the suitability of this information to their particular situation.