

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

Product ID:AMYL ACETATE

MSDS Date:04/06/1989

FSC:6810

NIIN:00-123-7047

MSDS Number: BCZTY

=== Responsible Party ===

Company Name:MALLINCKRODT INC.,SCIENCE PRODUCT DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:314-982-5000

Emergency Phone Num:(314)982-5000

CAGE:62910

=== Contractor Identification ===

Com

pany Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

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

Ingred Name:N-AMYL ACETATE (SARA III) *

CAS:628-63-7

RTECS #:AJ1925000

OSHA PEL:100 PPM *

ACGIH TLV:100 PPM; 9192 *

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 6,500

MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE-INHALE:MAY CAUSE RESPIRATORY TRACT

IRRITATION,NARCOSIS,HEADACHE,FATIGUE,COUGH,NAUSEA,DIZZINESS,CNS DEPRESSION,KIDNEY & LIVER DAMAGE & EDEMA OF THE GLOTTIS.ORAL:MAY BE ABSORBED CAUSING SYMPTOMS S IMILAR TO INHALATION.EYES/SKIN:MAY CAUSEIRRITATION,REDNESS & PAIN.LIQUID DEGREASES THE SKIN.CHRONIC-DERMATITIS

Effects of Overe

xposure:MAY CAUSE RESPIRATORY TRACT IRRITATION, NARCOSIS, HEADACHE, FATIGUE, COUGH, NAUSEA, DIZZINESS, CNS DEPRESSION, KIDNEY & LIVER DAMAGE & EDEMA OF THE GLOTTIS. ORALLY MAY BE ABSORBED CAUSING SYMPTOMS SIM ILAR TO INHALATION. MAY CAUSE EYES AND SKIN IRRITATION, REDNESS & PAIN. LIQUID DEGREASES THE SKIN.

Medical Cond Aggravated by Exposure:USE OF ALCOHOLIC BEVERAGES MAY ENHANCE TOXIC EFFECTS.

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

First A

id:GET MEDICAL ATTENTION IMMEDIATELY.EYE/SKIN:FLUSH WITH WATER FOR AT LEAST 15 MINUTES.HOLD EYELIDS OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.ORAL:IF CONSCIOUS,DRINK WATER & INDUCE VOMITING.CALL A PHYSICIAN IMMEDIATELY.NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:=15.6C, 60.F

Autoignition Temp:=360.C, 680.F

Lower Limits:1.1

Upper Limits:7.5

Extinguishing Media:CO2,

FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FLAMMABLE LIMITS. VAPORS CAN FLOW ALONG SURFACES TO DISTANT IGNITION SOURCE AND FLASH BACK.

===== Accident

al Release Measures =====

Spill Release Procedures: VENTILATE & EVAC AREA. USE PROTECTIVE CLOTHING & RESPIRATORY PROTECTION FROM VAPOR. CONTAIN & RECOVER LIQUID WHEN POSSIBLE. SPILLS MAY BE ABSORBED WITH INERT MATERIAL, VERMICULITE, DRY SAND & PLACE IN A CONTAINER PENDING DISPOSAL. DO NOT FLUSH TO SEWER. HAVE DRY POWDER EXTINGUISHER ON HAND.

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

Handling and Storage Precautions: STORAGE-KEEP IN TIGHTLY CLOSED CONTAINERS AT COOL, VENTILATED AREA AWAY FROM INCOMPATIBLES. OUTSIDE OR DETACHED STORAGE IS PREFERRED.

Other Precautions: AVOID BREATHING VAPORS. AVOID EYE OR SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING OR DRINKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. KEEP OUT OF SURFACE WATERS AND SEWERS.

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

Respiratory Protection: IF THE TLV IS EXCEEDED, A NIOSH-APPROVED FULL FACEPIECE CHEMICAL CARTRIDGE RESPIRATOR MAY BE USED. ALTERNATIVELY, A SUPPLIED AIR FULL FACEPIECE RESPIRATOR OR AIRLINED HOOD MAY BE WORN.

Ventilation: MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: RUBBER OR NEOPRENE

Eye Protection: CHEMICAL SAFETY GOGGLES/FULL FACE SHIELD

Other Protective Equipment: EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

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

Supplemental Safety and Health

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

HCC: F2

NRC/State Lic Num: NOT RELEVANT

Boiling Pt: =140.C, 284.F

Melt/Freeze Pt: