

MALLINCKRODT BAKER, INC. (FORMERLY J.T. BAKER INC) -- V091-09, STYRENE (STABILIZED) --
6810-00-987-4126

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

Product ID:V091-09, STYRENE (STABILIZED)

MSDS Date:12/08/1996

FSC:6810

NIIN:00-987-4126

Status Code:A

MSDS Number: CLHSQ

=== Responsible Party ===

Company Name:MALLINCKRODT BAKER, INC. (FORMERLY J.T. BAKER INC)

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

S

tate:NJ

ZIP:08865-2219

Country:US

Info Phone Num:800-582-2537

Emergency Phone Num:908-859-2151

Resp. Party Other MSDS Num.:S6986

Chemtec Ind/Phone:(800)424-9300

CAGE:70829

=== Contractor Identification ===

Company Name:COMPTECH CORP

Address:15944 DERWOOD RD

Box:City:ROCKVILLE

State:MD

ZIP:20855

Country:US

Phone:800-284-5279; 301-519-3401

Contract Num:SP0450-01-M-ZE57

CAGE:0BR38

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

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

Ingred Name:STYRENE

CAS:100-42-5

RTECS #:WL3675000

Minumum % Wt:90.

Maxumum % Wt:100.

OSHA PEL:SEE TABLE Z-2

ACGIH TLV:213 MG/M3;50 PPM

ACGIH STEL:426 MG/M3;100 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Health Hazards Acute and Chronic:EMERGENCY OVERVIEW: DANGER ! FLAMMABLE
! CAUSES BURNS. HARMFUL IF SWALLOWED OR INHA

LED. TARGET ORGANS:

CENTRAL NERVOUS SYSTEM, RESPIRATORY SYSTEM, EYES, SKIN. INHALATION:
EXCESSIVE INHALATION MAY CAUSE RESPIRATORY SYSTEM IRRITATION,
PULMONARY EDEMA, NARCOSIS. INGESTION: IRRITATION, AND BURNS TO
MOUTH AND STOMACH. SKIN CONTACT: BURNS. EYE CONTACT: IRRITATION,
BURNS. CHRONIC EXPOSURE: CENTRAL NERVOUS SYSTEM DEPRESSION.

Explanation of Carcinogenicity:IARC CATEGORY 2B CARCINOGEN: "AGENT IS
POSSIBLY CARCINOGENIC TO HUMANS".

Effects of Overexposure:INHALATION

IRRITATION, PULMONARY EDEMA,

NARCOSIS. INGESTION: IRRITATION AND BURNS TO MOUTH AND STOMACH.

SKIN CONTACT: BURNS. EYE CONTACT: IRRITATION, BURNS. CHRONIC

EXPOSURE: CENTRAL NERVOUS SYSTEM DEPRESSION.

Medical Cond Aggravated by Exposure:NO INFORMATION FOUND.

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

First Aid:INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE
ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
INGESTION: INDUCE VO

MITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIV E ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION. SKIN CONTACT: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFO RE RE-USE. EYE CONTACT: IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

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

Flash Point:=31.C, 87.8F

Autoigni

tion Temp:=490.C, 914.F

Lower Limits:1.1

Upper Limits:6.1

Extinguishing Media:USE ALCOHOL FOAM, DRY CHEMICAL OR CARBON DIOXIDE. (WATER MAY BE INEFFECTIVE.)

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE. MOVE EXPOSED CONTAINERS FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard:V

APORS MAY FLOW ALONG SURFACES TO DISTANT

IGNITION SOURCES AND FLASH BACK. CLOSED CONTAINERS EXPOSED TO HEAT MAY EXPLODE. CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRE.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. SHUT OFF IGNITION SOURCES; NO FLARES, SMOKING, FLAMES IN AREA. STOP LEAK IF POSSIBLE. USE WATER SPRAY TO REDUCE VAPORS. TAKE UP WI TH SAND OR OTHER

NON-COMBUSTIBLE

ABSORBENT MATERIAL AND PLACE INTO CONTAINER FOR LATER DISPOSAL. FLUSH AREA WITH WATER. J.T. BAKER SOLUSORB SOLVENT ABORBENT IS RECOMMENDED FOR SPILLS OF THIS PRODUCT.

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

Handling and Storage Precautions:BOND AND GROUND CONTAINERS WHEN TRANSFERRING LIQUID. STORE IN LIGHT-RESISTANT CONTAINERS.

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTY SINC THEY RETAIN PRODUCT RESIDUES (VAPOR, LI

QUID): OBSERVE ALL WARNINGS AND
PRECAUTIONS LISTED FOR THE PRODUCT.

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

Respiratory Protection:FOR CONDITIONS OF USE WHERE EXPOSURE TO THE
SUBSTANCE IS APPARENT, CONSULT AN INDUSTRIAL HYGIENIST. FOR
EMERGENCIES, OR INSTANCES WHERE THE EXPOSURE LEVELS ARE NOT KNOWN,
USE A FULL-FACEPIECE POSITIVE -PRESSURE AIR-SUPPLIED RESPIRATOR.
WARNING: AIR PURIFYING RESPIRATORS DO NOT PROTECT WORKERS IN
OXYGEN-DEFICIENT

ATMOSPHERE.

Ventilation:A SYSTEM OF LOCAL AND/OR GENERAL EXHAUST IS RECOMMENDED TO
KEEP EMPLOYEE EXPOSURES BELOW THE AIRBORNE EXPOSURE LIMITS.

(CONTD. SEE "WORK HYGIENIC PRACTICES")

Protective Gloves:WEAR IMPERVIOUS GLOVES.

Eye Protection:USE CHEMICAL SAFETY GOGGLES AND/OR FULL FACE SHIELD
WHERE SPLASHING IS POSSIBLE

Other Protective Equipment:WEAR IMPERVIOUS PROTECTIVE CLOTHING,
INCLUDING BOOTS, GLOVES, LAB COAT, APRON, OR COVERALLS, AS
APPROPRIATE, TO PREVENT SKIN CONTACT

. MAINTAIN EYE WASH FOUNTAIN

AND QUICK-DRENCH FACILITIES IN WORK AREA

Work Hygienic Practices:(CONTD. FROM "VENTILATION")LOCAL EXHAUST IS
GENERALLY PREFERRED BECAUSE IT CAN CONTROL EMISSIONS OF THE
CONTAMINANTS AT ITS SOURCE, PREVENTING DISPERSION INTO THE GENERAL
WORK AREA.

Supplemental Safety and Health

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

HCC:F3

Boiling Pt:=145.C, 293.F

Melt/Freeze Pt:=-31.C, -23.8F

Vapor Pres:5 MM HG @20C (68F)

Vapor Density:3

.6(AIR=1)

Spec Gravity:0.91

Evaporation Rate & Reference:NO INFORMATION FOUN.

Solubility in Water:NEGLIGIBLE (