

ARISTECH CHEMICAL CORP -- UNSATURATED POLYESTER RESIN -- 8040-00-200-3793

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Product Identification
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Product ID:UNSATURATED POLYESTER RESIN

MSDS Date:03/01/1989

FSC:8040

NIIN:00-200-3793

MSDS Number: BJPYG

=== Responsible Party ===

Company Name:ARISTECH CHEMICAL CORP

Address:600 GRANT ST

City:PITTSBURGH

State:PA

ZIP:15230

Country:US

Info Phone Num:412-433-7654 DAYS

Emergency Phone Num:412

-433-5811

CAGE:ARIST

=== Contractor Identification ===

Company Name:ARISTECH CHEMICAL CORP.

Address:600 GRANT ST.

City:PITTSBURGH

State:PA

ZIP:15219-2704

Country:US

Phone:412-354-9859

CAGE:ARIST

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Composition/Information on Ingredients
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Ingred Name:UNSATURATED POLYESTER BASE RESIN

Fraction by Wt: 38-80%

Other REC Limits:MAY BE TOX THRU SKIN

Ingred Name:STYRENE, MONOMER (SARA III)

CAS:100-42-5

RTECS #:WL3675000

Fraction by Wt: 20-62%

Other REC Limits:POSS CARCINOGEN

IC
OSHA PEL:100 PPM
ACGIH TLV:S,50PPM/100STEL;9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:INHALE: MAY CAUSE DROWSINESS, NAUSEA,
HEADACHE, FATIGUE, NARCOSIS & DIZZINESS. SEVERE EXPOSURE MAY CAUSE
A CONFUSED STATE, IRRITATION OF THE MUCOUS MEMBRANES OF THE UPPER
RESPIR
ATORY TRACT MAY OCCUR. SKIN: IRRITATION MAY OCCUR WITH
PROLONGED EXPOSURE POSSIBLY DEVELOPING TO DERMATITIS, *
Explanation of Carcinogenicity:STYRENE IS POSSIBLY CARCINOGENIC.
Effects of Overexposure:*ON THE BACK OF HANDS, WRISTS, FOREARMS. MAY BE
TOXIC IF ABSORBED THROUGH THE SKIN. EYE: IRRITATION OF THE MUCOUS
MEMBRANES, PAIN AND REDNESS MAY OCCUR. INGEST: SORE THROAT,
ABDOMINAL PAIN AND VOMITIN G MAY OCCUR.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH CHRONIC
RES
PIRATORY CONDITIONS (IE: ASTHMA, CHRONIC BRONCHITIS, EMPHYSEMA,
ETC) MAY BE ADVERSELY AFFECTED BY ANY FUME OR AIRBORNE PARTICULATE
MATTER EXPOSURE.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. IF BREATHING IS STOPPED OR
IS DIFFICULT, ADMINISTER ARTIFICIAL RESPIRATION OR OXYGEN AS
INDICATED. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY
WITH SOAP AND WATER. EYE: FLUSH WITH LARGE AMOUNTS OF WATER,
LIFT
UPPER AND LOWER EYELIDS OCCASIONALLY. INGEST: DO NOT INDUCE
VOMITING. SEEK MEDICAL AID FOR ANY OF THE ABOVE LISTED CONDITIONS.

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

Flash Point Method:PMCC
Flash Point:90.0F,32.2C
Lower Limits:1.1
Upper Limits:6.1
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL (SMALL FIRES), FOAM
AND WATER FOG (LARGE FIRES).
Fire Fighting Procedures:COOL TANKS AND DRUMS WITH WATER. FIREFIGHTERS
SHOULD WEAR SELF-CONTAINED BR

EATING EQUIPMENT.

Unusual Fire/Explosion Hazard:HIGH TEMPERATURE EXPOSURE FOR EXTENDED PERIODS OF TIME WILL RESULT IN SPONTANEOUS UNCONTROLLED EXOTHERMIC POLYMERIZATION.

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

Spill Release Procedures:REMOVE ALL IGNITION SOURCES AND OPEN FLAMES. INCREASE VENTILATION TO MAXIMIZE VAPOR DISPERSAL.DIKE LARGE SPILLS TO PREVENT RUNOFF INTO SEWERS OR WATERWAYS. COVER SPILL WITH INORGANIC ABSORBENT. SWEEP UP AND PLACE IN LABELLED DRUM. STYRENE

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

Handling and Storage Precautions:STORE IN COOL DRY AREA. DO NOT STORE IN DIRECT SUNLIGHT. WORK W/ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION TO MINIMIZE EXPOSURE TO VAPORS.BOND***

Other Precautions:**IS ON THE CERCLA HAZARDOUS SUBSTANCE LIST OF 1980, AS AMENDED AND REPORTABLE SPILL MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER. NRC: 800-424-8802.

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

Respiratory Protection:NIOSH/MSHA FOR PROTECTION FROM ORGANIC VAPORS SHOULD BE USED TO AVOID INHALATION OF EXCESSIVE AIR CONTAMINANTS. APPROPRIATE RESPIRATOR SELECTION DEPENDS ON THE TYPE AND MAGNITUDE OF EXPOSURE.

Ventilation:LOCAL EXHST VENTILATION TO CONTROL EMISSION OF AIR CONTAMINANTS. GENERAL DILUTION VENTILATION TO REDUCE CONCENTRATIONS.

Protective Gloves:POLYVINYL ALCOHOL, POLYETHYLENE TYPE.

Eye Protection:CHEMICAL SAFETY GLASSES OR FACE SHIELD.

Other Protective Equipment:POLYVINYL ALCOHOL OR POLYETHYLENE TYPE CLOTHES. EYEWASH STATION AND DELUGE SAFETY SHOWERS BE AVAILABLE IN WORK AREA.

Work Hygienic Practices:MEDICAL SCREENING FOR THOSE WITH ABNORMAL CNS,CHRONIC RESPIRATORY DISORDERS,SKIN DISEASE,KIDNEY & LIVER DISORDERS.

Supplemental Safety and Health

***AND GROUND CONTAINERS FOR TRANSFER OF THIS PRODUCT TO PREVENT STATIC SPARKS. STYRENE VAPORS ARE UNINHIBITED AND MAY CAUSE BLOCKAGE OF VENTI

LATION VENTS DUE TO POLYMERIZATION. PERIODIC INSPECTION MAY BE NECESSARY TO PREVENT BLOCKAGE. AVOID PROLONGED OR REPEATED CONTACT WITH THE SKIN. CHROMOSOMAL ABERRATIONS IN ****

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

Boiling Pt:B.P. Text:293F,145C

Vapor Pres:5.2

Vapor Density:3.6

Spec Gravity:1.1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR VISCOUS LIQUID; SHARP STYRENATED ODOR.

Percent Volatiles by Volume:20-62

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

Stability Indicator/Materials to Avoid:NO

STRONG ACIDS, PEROXIDES AND OTHER OXIDIZING AGENTS.

Stability Condition to Avoid:EXPOSURE TO EXCESSIVE HEAT OR OPEN FLAME;
STORAGE IN OPEN CONTAINERS; PROLONGED STORAGE (6MO).

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, LOW
MOLECULAR WEIGHT HYDROCARBONS, ORGANIC ACIDS.

Conditions to Avoid Polymerization:EXPOSURE TO HEAT, OPEN FLAME OR
CONTAMINATION WITH OXIDIZING AGENTS, AVOID STORAGE

ABOVE 38C

(100F).

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE &
FEDERAL REGULATIONS. HAZARDOUS WASTE REGULATIONS: 800-424-9346, THE
RCRA HOTLINE.

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