

ARISTECH CHEMICAL CORPORATION -- UNSATURATED POLYESTER RESIN;C2001G --
8040-00-532-7270

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

Product ID:UNSATURATED POLYESTER RESIN;C2001G

MSDS Date:09/01/1990

FSC:8040

NIIN:00-532-7270

MSDS Number: BTSNX

=== Responsible Party ===

Company Name:ARISTECH CHEMICAL CORPORATION

Address:600 GRANT STREET

City:PITTSBURGH

State:PA

ZIP:15230-0250

Country:US

Info Phone Num:412-

433-7654

Emergency Phone Num:412-433-7654/412-571-5888

CAGE:94977

=== Contractor Identification ===

Company Name:ARISTECH CHEMICAL CORPORATION

Address:600 GRANT STREET

Box:City:PITTSBURGH

State:PA

ZIP:15230-0250

Country:US

Phone:412-433-7654/412-433-5811

CAGE:94977

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

Ingred Name:UNSATURATED POLYESTER RESIN

Fraction by Wt: 38-80%

Other REC Limits:NONE RECOMMENDED

Ingred Name:STYRENE MONOMER (SARA III)

CAS:100-42-5

RTECS #:WL36

75000
Fraction by Wt: 20-62%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:S,50PPM/100STEL;9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS 5000MG/KG STYRENE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION.SKIN:MAY
CAUSE IRRITATION.MAY BE DERMALLY ABSOR
BED IN HARMFUL
AMOUNTS.INGEST:MAY CAUSE GI TRACT IRRITATION.MAY CAUSE LUNG DAMAGE
IF VOMITED AFTER INGESTING.INHAL:MAY CAUSE RE SPIRATORY IRRITATION
AND CNS DEPRESSION.
Explanation of Carcinogenicity:STYRENE IS A POTENTIAL CARCINOGEN.
Effects of
Overexposure:INHAL:DROWSINESS,NAUSEA,HEADACHE,FATIGUE,NARCOSIS,DIZZ
INESS,INCOORDINATION.SKIN:DERMATITIS,ECZEMA(ESP ON THE BACK OF
HANDS,WRISTS AND FOREARMS).EYES:REDNESS.INGEST:ABDOMINAL PAIN,SORE
THROAT,VOMITING.
Medical Con
d Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN AND
RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures
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First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND
WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH
AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT
INDUCE VOMITING. GET PROMPT QUALIFIED MEDICAL ATTENTION.

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Fire Fighting Mea
sures
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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 FIRE),ALCOHOL
FOAM.WATER MAY BE AN INEFFECTIVE EXTINGUISHANT.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER
FOG.
Unusual Fire/Explosion Hazard:UNCONTROLLED POLYMERIZATION MAY OCCUR.

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Accidental Release Measures
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Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER
RESPIRATORY AND PROTECTIVE EQUIPMENT.SHUT OFF LEAK IF
SAFE.DIKE.SOAK UP WITH A NON-COMBUSTIBLE INERT
ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.REPORT
SPILLS TO NRC,800-424-8802.

Neutralizing Agent:NONE

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Handling and Storage

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED
PLACE,AWAY FROM OXIDIZERS AND DIRECT
SUNLIGHT.KEEP CONTAINER CLOSED
WHEN NOT IN USE.

Other Precautions:AVOID SKIN AND EYE CONTACT.DO NOT INHALE
VAPORS/MISTS.GROUND CONTAINERS WHEN TRANSFERRING LIQUIDS.

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Exposure Controls/Personal Protection

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN
ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR
A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS,DEPENDING ON
THE AIRBORN CONCENTRATION.

Ventilation:

LOCAL VENTILATION AT THE WORKSITE AND DILUTION
VENTILATION.STYRENE VAPORS MAY POLYMERIZE IN VENTILATION EQUIPMENT.

Protective Gloves:PVA

Eye Protection:SAFETY GLASSES

Other Protective Equipment:PROVIDE A LOCAL EYE WASH STATION AND SAFETY
SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET
CLOTHES.LAUNDRY WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK
AREA.

Supplemental Safety and Health

NONE

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Physical/Chemical Properties

HCC:F3

Boiling Pt:=145.C, 293.F

Vapor Pres:4.5

Vapor Density:3.6

Spec Gravity:1.1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LIQUID,VISCOUS;CLEAR;SHARP STYRENE ODOR.

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Stability and Reactivity Data

Stability Indicator/Materials to Avoid:NO

STRONG ACIDS,PEROXIDES,OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION.CONTAINERS
SHOULD NOT BE LEFT OPENED.

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOX

IDE,LOW

MOLECULAR WEIGHT HYDROCARBONS,ORGANIC ACIDS.

Conditions to Avoid Polymerization:HEAT ABOVE 100F,FLAMES,OXIDIZING AGENTS

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.STYRENE IS CERCLA HAZARDOUS WASTE.

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