

ITW PHILADELPHIA RESINS CORP -- 728 HARDENER -- 8040-01-329-8730

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

Product ID:728 HARDENER

MSDS Date:01/02/1993

FSC:8040

NIIN:01-329-8730

Kit Part:Y

MSDS Number: BTTMV

=== Responsible Party ===

Company Name:ITW PHILADELPHIA RESINS CORP

Address:130 COMMERCE DR

Box:454

City:MONTGOMERYVILLE

State:PA

ZIP:18936

Country:US

Info Phone Num:215-855-8450

Emergency Phone Num

:800-424-9300 CHEMTREC

CAGE:ITWPH

=== Contractor Identification ===

Company Name:ITW PHILADELPHIA RESINS

Address:130 COMMERCE DR

Box:City:MONTGOMERYVILLE

State:PA

ZIP:18936

Country:US

Phone:215-855-8450

CAGE:20420

Company Name:ITW PHILADELPHIA RESINS

Address:130 COMMERCE DRIVE

Box:454

City:MONTGOMERYVILLE

State:PA

ZIP:18936

Country:US

Phone:508-777-1100

CAGE:ITWPH

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

Ingred Name:ALIPHATIC AMINE (TRADE SECRET OF SUPPLIER)

Fractio

n by Wt: >60%

Other REC Limits:NONE RECOMMENDED

Ingred Name:TRIETHYLENE TETRAMINE

CAS:112-24-3

RTECS #:YE6650000

Fraction by Wt: 10-30%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PHENOL (SARA III) (SARA III)

CAS:108-95-2

RTECS #:SJ3327000

Fraction by Wt: 10-30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 5 PPM

ACGIH TLV:S,5 PPM; 9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 414 MG
/KG (PHENOL)

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

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

Health Hazards Acute and Chronic:ACUTE: PROLONGED INHALATION OF HEATED
VAPORS MAY CAUSE IRRITATION OF NOSE, THROAT & RESPIRATORY TRACT.
CONTACT MAY CAUSE MODERAT SKIN & EYE IRRITATION. INGESTION MAY
CAUSE SEVERE DAMAGE TO MUCOUS MEMB RANES IF SWALLOWED. CHRONIC:
PROLONGED OR REPEATED EXPOSURE MAY CAUSE LIVER/KIDNEY EFFECTS,
ASTHMA/SKIN SENSITIZATION.

Explan

ation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALED: COUGHING, WHEEZING, SHORTNESS OF
BREATH, SNEEZING. EYES: REDNESS, TEARING, BLURRED VISION. SKIN:
REDNESS, ITCHING, SWELLING, DISCOMFORT. INGESTED: NAUSEA,
VOMITING,, BURNS TO MOUTH & THROAT, STOMACH PAIN.

Medical Cond Aggravated by Exposure:NONE REPORTED.

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

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First Aid:EYES-FLUSH WITH LOTS OF WATER FOR 15 MINUTES, HOLD LIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION. SKIN-WASH AFFECTED AREA WITH LOTS OF SOAP & WATER. SEE DOCTOR IF SYMPTOMS PERSIST. INHALED-REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING DIFFICULT. GET MEDICAL ATTENTION. INGESTED: DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE WATER OR MILK. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:PMCC

FI

Flash Point:200F,93C

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL OR FOAM.

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF SMOKE OR VAPORS.

Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY RUPTURE WHEN EXPOSED TO HIGH HEAT.

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

Spill Release Procedures:AVOID PERSONAL CONTACT. ABSORB ON INERT MATERIAL SUCH AS SAND, EARTH, OR VERMICULITE & PLACE IN A SUITABLE, LABELED CONTAINER FOR WASTE DISPOSAL. RESIDUE MAY BE CLEANED WITH A SAFETY SOLVENT. WEAR ADEQUATE PROTECTIVE EQUIPMENT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAME & HIGH TEMPERATURES. KEEP AWAY FROM HEAT.

Other Precautions:PRACTICE GOOD HOUSEKEEPING PROCEDURES TO AVOID SKIN CONTACT & BREATHING OF VAPORS. AVOID PROLONGED INHALATION OF HEATED VAPORS OR SPRAY MIST. AVOID PROLONGED OR REPEATED SKIN CONTACT.

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

Respiratory Protection:IN THE ABSENCE OR FAILURE OF PROPER ENVIRONMENTAL CONTROLS; USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION. FOR EMERGENCIES; WEAR SELF-CONTAINED BREATHING APPARATUS. USE IAW MANUFACTURER'S RECOMMENDATIONS & 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENT

ILATION TO MAINTAIN EXPOSURE
BELOW TLV.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:LONG SLEEVED CLOTHING.

Work Hygienic Practices:WASH HANDS AFTER USE & BEFORE EATING, DRINKING,
OR SMOKING.

Supplemental Safety and Health

KEY1=N1. MSDS ENTERED BY DLA-HMIS UNDER PROJECT FOR GSA. THIS RECORD
REPRESENTS HARDENER OF 2 PART EPOXY RESIN ADHESIVE. DLA-HMIS STAFF
ONLY HAD MSDS FOR HARDENER; UNABLE TO BALANCE HCC CODES OF THIS

PRODUCT AGAINST THOSE OF RESIN.

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

HCC:N1

Vapor Density:>1

Spec Gravity:1.1

Evaporation Rate & Reference:NON-VOLATILE

Solubility in Water:APPRECIABLE

Appearance and Odor:LIGHT AMBER LIQUID WITH AMINE ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG MINERAL ACIDS, STRONG OXIDIZING AGENTS & EPOXY RESINS IN
CONTROLLED CONDITIONS.

Stability Cond

ition to Avoid:AVOID MIXING WITH LARGE AMOUNTS OF RESIN
AS HEAT IS EVOLVED.

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE,
OXIDES OF NITROGEN.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. EPA/RCRA WASTE NUMBER U188 (PHENOL) MAY APPLY
TO UNUSED/UNCONTAMINATED PRODUCT. RQ (CERCLA)=10000 POUNDS.

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