

UNITED RESIN CORPORATION -- HARDENER 230 -- 8040-00-738-6429

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

Product ID:HARDENER 230  
MSDS Date:08/25/1995  
FSC:8040  
NIIN:00-738-6429  
Status Code:A  
MSDS Number: CLMHH  
=== Responsible Party ===  
Company Name:UNITED RESIN CORPORATION  
Address:4359 NORMANDY COURT  
City:ROYAL OAK  
State:MI  
ZIP:48073  
Country:US  
Info Phone Num:248-549-8200/  
Emergency Phone Num:810-549-8200  
Preparer's Name:ERNEST CARTER  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:1FD35  
=== Contractor Identification ===  
Company Name:UNITED RESIN CORPORATION  
Address:4359 NORMANDY COURT  
City:ROYAL OAK  
State:MI  
ZIP:48073  
Country:US  
Phone:248-549-8200/  
CAGE:1FD35

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

Ingred Name:POLYAMIDE RESIN  
CAS:68410-23-1  
Code:F  
  
Ingred Name:TRIETHYLENETETRAMINE  
CAS:112-24-3  
RTECS #:YE6650000

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

=====

Effects of Overexposure:SKIN CONTACT: MAY RESULT IN IRRITATION OR CHEMICAL BURN. EYE CONTACT: PRODUCT CAN CAUSE SEVERE EYE IRRITATION, SWELLING AND/OR CHEMICAL BURN. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS M ATERIAL. INHALATION: VAPOR IS IRRITATING TO THE RESPIRATORY SYSTEM AND MUCOUS MEMBRANES. INGESTION: LIQUID CAUSES DAMAGE TO MUCOUS MEMBRANE IF SWALLOWED.

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

First Aid:INHALATION: R  
REMOVE VICTIM TO FRESH AIR. EYES: FLUSH EYES WITH GENEROUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: IMMEDIATELY WASH SKIN WITH SOAP AND WATER. INGESTION: IF SWALLOWED DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER OR MILD IF AVAILABLE. CALL A PHYSICIAN. TREATMENT BASED ON JUDGEMENT OF THE PHYSICIAN IN RESPONSE TO REACTIONS OF THE PATIENT.

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

Flash Point Method:COC  
Flas  
h Point:=182.2C, 360.F  
Extinguishing Media:WATER, FOG, FOAM, DRY CHEMICAL, CO2.  
Fire Fighting Procedures:DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL PROTECTIVE GEAR INCLUDING A POSITIVE PRESSURE, SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINER WITH WATER.  
Unusual Fire/Explosion Hazard:CONTAINER AREAS EXPOSED TO INTENSE HEAT OR FLAME SHOULD BE COOLED WITH H2O TO PRVENT PRESSURE BUILD UP AND/OR WEAKENING OF CONTAINER STRUCTURE.

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

Spill Release Procedures:USE CAUTIOUS JUDGMENT WHEN CLEANING SPILLS. SMALL SPILLS MAY BE COLLECTED WITH ABSORBENT MATERIAL, SUCH AS CLAY OR SAND. LARGE SPILLS SHOULD BE DIKED AND CONTAINED WITH ABSORBENT MATERIALS. FLUSH ARE A WITH WATER SPRAY TO REMOVE RESIDUE. DISPOSE OF FLUSH LEGALLY.

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

Handling and Storage Precautions:STORE AT AMBIENT TEMPERATURES WELL VENTILATED AREA. A

VOID SPARKS, OPEN FLAMES AND EXTREME HEAT. STORE SEPARATELY FROM AMINE CURING AGENTS. PROTECT CONTAINER FROM PHYSICAL DAMAGE.

Other Precautions:CONTAINER, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN PRODUCT RESIDUES. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL PRACTICES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS, OR USING TOILET FACILITIES. LAUNDRER CONTAMINATED CLOTHING BEFORE

=====

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

Respiratory Protection:WEAR NIOSH APPROVED RESPIRATORY PROTECTION WHERE EXPOSURE LIMITS ARE EXCEEDED OR IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROL.

Ventilation:USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST IS RECOMMENDED. MECHANICAL EXHAUST CAN BE USED AS A BACK UP SYSTEM.

Protective Gloves:CHEMICAL RESISTANT GLOVES SUCH AS PVA.

Eye Protection:NIOSH APPROVED SAFETY GLASSES OR GOGGLES WITH SIDE SHIELDS.

Other

Protective Equipment:CHEMICAL RESISTANT CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT.

Supplemental Safety and Health

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

Boiling Pt:>250.C, 482.F

Vapor Pres: