

MATERIAL SAFETY DATA SHEET

Page: 1

PRODUCT NAME: DUROMAR HPL-2221 BASE

HMS CODES: H F R P  
1 0 0 B

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: DUROMAR INC.  
ADDRESS : 35 POND PARK RD.  
HINGHAM, MASS. 02043

EMERGENCY PHONE : 1-800-255-3924 DATE REVISED : 01/01/02  
INFORMATION PHONE : 781-749-6992 NAME OF PREPARER : KBC

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
ALUMINUM OXIDE	1344-28-1		
BISPHENOL A DIGLYCIDYL ETHER POLYMER	25068-38-6		
INORGANIC OXIDE	13463-67-7		
RED IRON OXIDE	1332-37-2		
SILICON DIOXIDE, AMORPHOUS	67762-90-7		

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.  
N/A

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 425° F / 218° C      SPECIFIC GRAVITY (H2O=1): 1.92  
VAPOR DENSITY: UNKNOWN  
EVAPORATION RATE: UNKNOWN  
COATING V.O.C.: 0.00 lb/gl      MATERIAL V.O.C.: 0.00 lb/gl  
SOLUBILITY IN WATER: NIL  
APPEARANCE AND ODOR: WHITE OR RED PASTE , ODORLESS

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 390° F / 200° C      METHOD USED: CLOSED CUP  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a      UPPER: n/a

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES  
USE SELF CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS  
DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE HAZARDOUS

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID: PROLONGED EXCESSIVE HEAT

INCOMPATIBILITY (MATERIALS TO AVOID)  
STRONG OXIDIZING AGENTS, ALKALAI S AND ACIDS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS  
CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE  
IRRITATION, RASH, DISCOMFORT

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE  
HEADACHE, NAUSEA, FEVER, CHILLS

HEALTH HAZARDS (ACUTE AND CHRONIC)  
ACUTE: IRRITATION TO SKIN AND RESPIRATORY TRACT CHRONIC: SENSITIZATION

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE  
DERMATITIS, ECZEMA, SKIN CONDITIONS

EMERGENCY AND FIRST AID PROCEDURES  
PRIMARY ROUTE OF ENTRY - SKIN. INHALATION: REMOVE VICTIM TO FRESH AIR. EYES:  
FLUSH WITH WATER FOR 15 MINUTES. CONTACT PHYSICIAN. SKIN: WASH WITH MILD SOAP AND  
WATER FOR 15 MINUTES. CONTACT A PHYSICIAN IF IRRITATION OR OTHER PROBLEMS OCCUR.  
INGESTION: CONTACT A PHYSICIAN. WATER MAY BE GIVEN TO CONSCIOUS VICTIM ONLY, DO  
NOT INDUCE VOMITING.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
AVOID PERSONAL CONTACT. RECOVER AND USE UNCONTAMINATED PRODUCT. TAKE UP  
UNRECOVERABLE OR CONTAMINATED PRODUCT. DISPOSABLE TOOLS AND INERT ABSORBENT  
MATERIAL ARE RECOMMENDED. TRANSFER TO CLOSABLE CONTAINER.

WASTE DISPOSAL METHOD  
EQUIVALENT AMOUNTS OF BASE AND HARDENER MAY BE REACTED TO FORM AN INERT MASS.  
CONTAINERIZE AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL  
REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING  
STORE IN COOL DRY AREA. KEEP CONTAINER TIGHTLY CLOSED, EXCEPT WHEN USING MATERIAL.  
DO NOT BREATHE VAPOR, MIST OR SPRAY. \*\* DANGER \*\* MAY CAUSE  
SEVERE EYE AND SKIN IRRITATION.

OTHER PRECAUTIONS  
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. AVOID  
BREATHING DUST FROM MACHINING OR ABRADING CURED MATERIAL. AVOID SKIN CONTACT,  
MAY BE ABSORBED THROUGH THE SKIN.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION  
NIOSH APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR IN POORLY VENTILATED AREAS.

VENTILATION  
LOCAL EXHAUST IS RECOMMENDED, GOOD MECHANICAL

PROTECTIVE GLOVES  
BUTYL OR IMPERVIOUS

EYE PROTECTION  
SAFETY GLASSES OR GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT  
IMPERVIOUS CLOTHING WHERE NEEDED

WORK/HYGIENIC PRACTICES  
USE OF BARRIER CREME IS RECOMMENDED OVER EXPOSED SKIN

===== SECTION X - DISCLAIMER =====

TO THE BEST OF OUR KNOWLEDGE THE INFORMATION CONTAINED HEREIN IS ACCURATE,  
OBTAINED FROM SOURCES BELIEVED TO BE ACCURATE

MATERIAL SAFETY DATA SHEET

Page: 1

PRODUCT NAME: DUROMAR HPL-2221 HARDENER

HMIS CODES: H F R P  
3 1 1 B

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: DUROMAR INC.  
ADDRESS : 35 POND PARK RD.  
HINGHAM, MASS. 02043

EMERGENCY PHONE : 1-800-255-3924 DATE REVISED : 01/01/02  
INFORMATION PHONE : 781-749-6992 NAME OF PREPARER : KBC

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
MODIFIED ALIPHATIC AMINES			
MODIFIED ALIPHATIC AMINE			
CARBON BLACK	1333-86-4		

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.  
N/A

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 392° F / 200° C SPECIFIC GRAVITY (H2O=1): 0.99  
VAPOR DENSITY: UNKNOWN  
EVAPORATION RATE: UNKNOWN  
COATING V.O.C.: 0.00 lb/gl MATERIAL V.O.C.: 0.00 lb/gl  
SOLUBILITY IN WATER: VERY SLIGHT  
APPEARANCE AND ODOR: BLACK LIQUID, AMINE ODOR

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: >200° F / >94° C METHOD USED: CLOSED CUP  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a UPPER: n/a

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES  
USE SELF CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS  
DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE HAZARDOUS

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID: PROLONGED EXCESSIVE HEAT

INCOMPATIBILITY (MATERIALS TO AVOID)  
STRONG OXIDIZING AGENTS, ACIDS, NATURAL RUBBER

HAZARDOUS DECOMPOSITION OR BYPRODUCTS  
CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE  
DISCOMFORT , IRRITATION TO RESPIRATORY TRACT, NAUSEA

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE  
IRRITATION , RASH , DISCOMFORT



DISCOMFORT , HEADACHE , VOMITING

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE  
IRRITATION , RASH , DISCOMFORT

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE  
IRRITATION, RASH, DISCOMFORT

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE  
HEADACHE, FEVER, VOMITING, CHILLS

HEALTH HAZARDS (ACUTE AND CHRONIC)  
ACUTE: IRRITATION, DERMATITIS CHRONIC: SENSITIZATION

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE  
DERMATITIS, ECZEMA, SKIN CONDITIONS

EMERGENCY AND FIRST AID PROCEDURES  
PRIMARY ROUTE OF ENTRY - SKIN, INHALATION: REMOVE VICTIM TO FRESH AIR. EYES:  
FLUSH WITH WATER FOR 15 MINUTES. CONTACT PHYSICIAN. SKIN: WASH WITH MILD SOAP AND  
WATER FOR 15 MINUTES. CONTACT A PHYSICIAN IF IRRITATION OR OTHER PROBLEMS OCCUR.  
INGESTION: CONTACT A PHYSICIAN. WATER MAY BE GIVEN TO CONSCIOUS VICTIM ONLY.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
AVOID PERSONAL CONTACT. RECOVER AND USE UNCONTAMINATED PRODUCT. TAKE UP  
UNRECOVERABLE OR CONTAMINATED PRODUCT. DISPOSABLE TOOLS AND INERT ABSORBENT  
MATERIAL ARE RECOMMENDED. TRANSFER TO CLOSABLE CONTAINER.

WASTE DISPOSAL METHOD  
EQUIVALENT AMOUNTS OF BASE AND HARDENER MAY BE REACTED TO FORM AN INERT MASS.  
CONTAINERIZE AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL  
REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING  
STORE IN COOL DRY AREA. KEEP CONTAINER TIGHTLY CLOSED, EXCEPT WHEN USING MATERIAL.  
DO NOT BREATHE VAPOR, MIST OR SPRAY. \*\* DANGER \*\* MAY CAUSE  
SEVERE EYE AND SKIN IRRITATION.

OTHER PRECAUTIONS  
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. AVOID  
BREATHING DUST FROM MACHINING OR ABRADING CURED MATERIAL.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION  
NIOSH APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR IN POORLY VENTILATED AREAS.

VENTILATION  
LOCAL EXHAUST IS RECOMMENDED, GOOD MECHANICAL

PROTECTIVE GLOVES  
BUTYL OR IMPERVIOUS

EYE PROTECTION  
SAFETY GLASSES OR GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT  
IMPERVIOUS CLOTHING WHERE NEEDED

WORK/HYGIENIC PRACTICES  
USE OF BARRIER CREME IS RECOMMENDED OVER EXPOSED SKIN

===== SECTION X - DISCLAIMER =====

TO THE BEST OF OUR KNOWLEDGE THE INFORMATION CONTAINED HEREIN IS ACCURATE,  
OBTAINED FROM SOURCES BELIEVED TO BE ACCURATE