



MATERIAL SAFETY DATA SHEET

PRODUCT: 646 PLUS SATIN/ LOW GLOSS GLOSS SEALER/ FINISH

EFFECTIVE DATE: 01/04/2010

CHEMICAL FAMILY: WATER BASED SELF-CROSSLINKING ACRYLIC MODIFIED POLYURETHANE EMULSION

CHEMICAL TYPE: SATIN TILE & CONCRETE SEALER

**Manufactured by : Duro Shine Sealers LLC – Po Box 5358
NORTH HOLLYWOOD, CA. 91606 - 818 982-6412**

----- **EMERGENCY ASSISTANCE** -----
FOR EMERGENCY ASSISTANCE CALL : 818 982-6412

----- **HAZARDOUS INGREDIENTS** -----
DIPROPYLENE GLYCOL N-BUTYL ETHER CAS# 29911-28-2 <3% BY VOL.
VAPOR PRESSURE 0.04 MM HG@ 20C.
BENZOFLEX 50 CAS# 120-55-8<2% BY VOL.
VAPOR PRESSURE 000000229 mmhg @ 20C

NO TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372 ARE PRESENT.

----- **PHYSICAL/ CHEMICAL CHARACTERISTICS** -----
BOILING POINT: 212 DEG F.
VAPOR DENSITY: HEAVIER THAN AIR
COATING V.O.C.: 96 G/L
SOLUBILITY IN WATER: DISPERSABLE
APPEARANCE AND ODOR: MILKY WHITE WITH SOLVENT ODOR.
SPECIFIC GRAVITY (H2O=1): 1.0
EVAPORATION RATE: SLOWER THAN ETHER

----- **FIRE AND EXPLOSION HAZARD DATA** -----
FLASH POINT: > 212 DEG F. METHOD USED: TCC

EXTINGUISHING MEDIA: CO2, FOAM, DRY CHEMICAL, OR WATER FOG
SPECIAL FIRE FIGHTING PROCEEDURES: WATER MAY BE USEFUL IN COOLING CONTAINERS EXPOSED TO HEAT AND FLAME.

UNUSUAL FIRE AND EXPLOSION HAZARDS: CLOSED CONTAINERS MAY RUPTURE DUE TO PRESSURE FROM HEAT AND FLAME.

----- **REACTIVITY DATA** -----

STABILITY: THIS PRODUCT IS STABLE

INCOMPATIBILITY: NO HAZARDOUS REACTIONS ARE EXPECTED UNDER NORMAL INDUSTRIAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: POSSIBILITY OF CO₂ OR CO FROM FIRE

EXPOSURE HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

----- **HEALTH HAZARD DATA** -----

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

NO HARMFUL EFFECTS ARE EXPECTED FROM BREATHING VAPORS OR AEROSOLS OF THIS MATERIAL.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: THIS MATERIAL MAY CAUSE EYE IRRITATION. DIRECT CONTACT WITH THE LIQUID OR EXPOSURE TO AEROSOLS MAY CAUSE BURNING.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: THIS MATERIAL IS NOT KNOWN TO BE A SKIN IRRITANT, HOWEVER IF ALLOWED TO REMAIN ON THE SKIN WITHOUT BEING RINSED OFF WITH WATER, A THIN FILM MAY FORM. REMOVAL OF THIS FILM MAY RESULT IN SKIN IRRITATION.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: NO HARMFUL EFFECTS HAVE BEEN DEMONSTRATED IN ORAL TOXICITY STUDIES OF SIMILAR MATERIALS.

EMERGENCY AND FIRST AID PROCEDURES: FOR EYES FLUSH, IF IRRITATION PERSISTS CALL DOCTOR. CONTACT WITH SKIN; FLUSH SKIN. IF INGESTED DO NOT INDUCE VOMITTING. DRINK PLENTY OF WATER. SEEK MEDICAL ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC): N/A

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

EMERGENCY AND FIRST AID PROCEDURES: INHALATION: MOVE SUBJECT TO FRESH AIR.

EYE AND SKIN CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEE A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: DILUTE BY GIVING TWO GLASSES OF WATER TO DRINK. DO NOT INDUCE VOMITING.

SEE A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

----- **PRECAUTIONS FOR SAFE HANDLING AND USE** -----

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK: RECOVER INTO SUITABLE CONTAINERS, AND ABSORB WITH APPROPRIATE ABSORBANT.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, COUNTY, STATE AND FEDERAL LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP CONTAINERS IN A COOL AND DRY AREA. USE AND STORE WITH ADEQUATE VENTILATION. KEEP CONTAINERS CLOSED WHEN NOT IN USE. AVOID SUBJECTING THIS PRODUCT TO EXTREME TEMPERATURE VARIATIONS AND FREEZING.

OTHER PRECAUTIONS: CAREFUL HANDLING PRACTICES SHOULD BE EXERCISED.

----- **SPECIAL PROTECTION AND CONTROL MEASURES** -----

RESPIRATORY PROTECTION: IN POORLY VENTILATED AREAS; USE N.I.O.S.H. APPROVED RESPIRATOR, OR SUPPLIED AIR EQUIPMENT.

VENTILATION: MAINTAIN GOOD AIR FLOW. AVOID VAPORS. ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

PROTECTIVE GLOVES: USE OF IMPERVIOUS GLOVES IS ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION.

EYE PROTECTION: USE SAFETY GOGGLES OR GLASSES ARE RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: USE IMPERVIOUS CLOTHING IF NECESSARY. IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN THE WORK AREA FOR FLUSHING EYES AND SKIN.

WORK/HYGIENIC PRACTICES: EYE BATH AND SAFETY SHOWER RECOMMENDED.

----- **DISCLAIMER** -----

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THE CONDITIONS OR METHODS OF HANDLING, STORAGE, USE AND DISPOSAL OF THIS PRODUCT ARE BEYOND OUR CONTROL.

----- **SPECIAL PRECAUTIONS** -----

SPECIAL PRECAUTIONS -----

AVOID FREEZING AND KEEP IN COOL AREA IN CLOSED CONTAINER.

READ ALL INSTRUCTIONS BOTH ON THE BOTTLE, AND AT OUR WEB SITE.

WWW.DUROSHINE.COM

IF UNCLEAR ON USE; CONTACT Duro Shine Sealers.

SATIN/ LOW GLOSS SEALER