



**MATERIAL SAFETY DATA SHEET**

**PRODUCT: 686 PLUS ULTRA HIGH GLOSS SEALER**

**EFFECTIVE DATE: 01/04/2010**

**CHEMICAL FAMILY: WATER BASED SELF-CROSSLINKING ACRYLIC  
MODIFIED POLYURATHANE EMULSION**

**CHEMICAL TYPE: HIGH GLOSS 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**

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----- **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.: 98 G/L  
SOLUBILITY IN WATER: SOLUBLE  
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: SETAFLASH

EXTINGUISHING MEDIA: CO2, FOAM, DRY CHEMICAL, OR WATER FOG  
SPECIAL FIRE FIGHTING PROCEDURES: 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. 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** -----

THE INFORMATION IN THIS M.S.D.S. SHEET WAS OBTAINED FROM SOURCES WHICH WE BELIEVE ARE RELIABLE; HOWEVER, THIS INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS ACCURACY OR CORRECTNESS.

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

----- **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](http://WWW.DUROSHINE.COM)

IF UNCLEAR ON USE; CONTACT Duro Shine Sealers.

## **HIGH GLOSS SEALER**