

STABOND CORPORATION
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STABOND

STABOND UK 148

DESCRIPTION

STABOND UK 148 is a brushable, two part elastomeric contact adhesive which provides high strength bonds to many plastics and synthetic rubbers such as SBR, Neoprene, Nitrile, PVC, ABS and rigid urethane foam. The base is the same as U 148 and can be used as a one-part system. The accelerator is used to enhance bond strength, heat resistance and adhesion to Hypalon.

PROPERTIES	BASE	ACCELERATOR	MIXTURE
TYPE:	Synthetic Elastomer	Isocyanate	-----
COLOR:	Clear	Clear Brown	Clear Light Tan
SOLIDS:	19%	50%	22%
WT/GAL:	7.16 lbs	8.36 lbs	7.27 lbs
SHELF LIFE:	12 Months	12 Months	-----
WORK LIFE:	-----	-----	8 Hours
THINNER:	Stabond C-Thinner	-----	Stabond C-Thinner
TEMP. LIMITS:	140°F	-----	170°F
VISCOSITY:	2500 cps	24 cps	-----
FLASH POINT:	16°F TCC	40°F TCC	16°F TCC
CURE TIME:	48 Hours	-----	24 Hours
VOC:	699 g/l	501 g/l	681 g/l

(less water and exempt solvent)

APPLICATION

Suggested accelerator levels are 8 to 12 parts per 100 parts of base (U-148). Levels above 12 parts accelerator/100 parts base can be detrimental to adhesive performance. Kits are preweighed to a level of 12 accelerator/100 parts base. Mix accelerator into base (U-148) until thoroughly mixed (uniform color). Stabond UK-148 is formulated for brush application. Surfaces to be bonded must be free of dirt, oil, and grease. Clean the substrate with a solvent such as acetone or MEK. Lightly abrading the substrate will improve the bond. Apply a thin uniform film to each substrate and allow 5-10 minutes for the solvent to flash off. Apply sufficient pressure to insure intimate contact. Immediate bond strength permits handling and ultimate adhesion develops within 24 hours.

STORAGE

For maximum shelf life, store material in a cool, dry area and keep container tightly sealed. Storage temperatures of 60-80°F are recommended. Lower storage temperature will cause a temporary increase in viscosity.

WARNING

Extremely flammable. Toxic. Vapors may ignite explosively. Provide fresh air cross ventilation to prevent build-up of vapors. Keep away from heat, sparks and from open flame. Do not smoke. Extinguish all flames and pilot lights and turn off all non explosion proof electrical equipment and sources of ignition during use and until vapors are dissipated. Avoid breathing of vapors. Close container after use. **KEEP OUT OF REACH OF CHILDREN.** If swallowed do not induce vomiting, call physician immediately. **THOROUGHLY READ THE MSDS FOR THIS PRODUCT PRIOR TO USING IT.**

IMPORTANT

Suggestions for the use of this product are based on tests believed to be reliable; however, the user should determine suitability for the intended use by his own evaluation. Because the use of the material is beyond our control, neither the seller nor the manufacturer shall be liable for any injury, loss, or damage, direct or consequential, arising out of the use or inability to use this product. Seller and manufacturer's sole obligation shall be replacement of material proved to be defective.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: UK 148
 PRODUCT CODE: UK 148

HMS CODES: H F R P
 2 3 0 K

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: STABOND CORPORATION
 ADDRESS: 1722 W. 139th STREET, GARDENA CA. 90249
 EMERGENCY PHONE: 800 424 9300
 INFORMATION PHONE: 310 380 6168

DATE REVISED: 08-01-10
 REASON REVISED: UPDATE
 NAME OF PREPARER: G. KINNARD

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER		
*METHYL ETHYL KETONE	78-93-3	200 ppm	200 ppm		70.0 @ 68°F	62
N-PROPYL ACETATE	109-60-4	200 ppm	200 ppm		47.5 @ 68°F	10
*POLYMERIC DIPHENYLMETHANE-DIISOCYANATE	9016-87-9	0.02 ppm	.005 ppm TWA		< 1x10 ⁻⁵ @ 77°F	5
*TOLUENE	108-88-3	100 ppm	100 ppm	50 ppm SKIN	22.0 @ 77°F	5

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

WARNING THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM

EXPOSURE LIMITS REPRESENT THOSE ESTABLISHED FOR THE 4,4' MDI COMPONENT OF THE POLYMERIC MDI THE LEVEL OF 4,4' MDI (CAS#101-68-8) PRESENT IN THE POLYMERIC MDI IS < 80%.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 175°F to 231°F
 SPECIFIC GRAVITY (H₂O=1): 0.9
 EVAPORATION RATE: SLOWER THAN ETHER
 VAPOR DENSITY: HEAVIER THAN AIR
 COATING V.O.C.: 5.68 LB/GL (681 GRAMS/LITER)
 MATERIAL V.O.C.: 5.68 LB/GL (681 GRAMS/LITER)
 SOLUBILITY IN WATER: NIL
 APPEARANCE AND ODOR: MEDIUM VISCOSITY CLEAR LIQUID

SECTION IV - FIRE AND EXPLOSION HAZARD AREA

FLASH POINT: 16°F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.0% UPPER: 11.4%

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

SPECIAL FIREFIGHTING PROCEDURES

Self-contained breathing apparatus and full protective clothing.

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UNUSUAL FIRE AND EXPLOSION HAZARDS

Volatile solvent constituent can readily form explosive or flammable mixtures in air. Vapors can flow along surfaces to distant ignition sources and flash back.

SECTION V - REACTIVITY DATA

STABILITY: STABLE**CONDITIONS TO AVOID**

Keep away from all sources of ignition or heat.

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents can cause spontaneous combustion.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Burning may produce fumes of carbon dioxide, carbon monoxide, hydrogen cyanide, phenols and nitrous oxides.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause headache, dizziness and drowsiness. High concentrations, or prolonged exposure to lower concentrations, may be irritating to mucous membranes and may cause CNS depression.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN-Prolonged or repeated exposure may result in drying of the skin, which can cause skin irritation or dermatitis. May cause temporary staining.

EYES-Liquid or high vapor concentrations can be severely irritating to the eyes.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May be irritating. Skin contact may play a role in respiratory sensitization and protective rubber gloves should be worn at all times when working with this product.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Moderate CNS depression may be shown by giddiness, headache, dizziness and nausea. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs. Aspiration pneumonitis may be evidenced by coughing and cyanosis.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Eye: May cause irritation with tearing.

Skin: May cause skin irritation, dermatitis, staining and allergic sensitivity.

Ingestion: May cause irritation and corrosion on the mouth and stomach tissue.

Inhalation: May cause irritation to upper respiratory tract and at higher concentrations narcosis or CNS depression. May cause respiratory sensitivity with asthma like symptoms.

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

This product contains chemicals known to the state of California to cause cancer and/or birth defects or other reproductive harm.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Skin contact may aggravate an existing dermatitis. Preexisting eye and respiratory disorders may be aggravated.

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EMERGENCY AND FIRST AID PROCEDURES

Eye: Immediately irrigate with flowing water for 15 minutes.
Skin: Wash off in flowing water or shower.
Ingestion: Do not induce vomiting. If vomiting should occur spontaneously keep victims head below knees to prevent aspiration into the lungs.
Inhalation: Remove to fresh air. Restore breathing, if required.

Consult physician on all above cases.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Handle as a flammable liquid. Remove all ignition sources. Soak up wet material on a non-combustible absorbent and place in a closed metal container.

WASTE DISPOSAL METHOD

Dispose of in accordance with all local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in cool, well ventilated area away from any ignition sources and strong oxidizing agents. Keep containers tightly closed when not in use. Do not transfer to plastic containers.

OTHER PRECAUTIONS

Ground and bond metal containers when not in use. No smoking in areas of use or storage. Use only non-sparking tools near wet adhesive or solvent vapors. Solvent vapor is much heavier than air and can collect in dangerous concentrations in floor drains or low areas.

SECTION VIII - CONTROL MEASURES**RESPIRATORY PROTECTION**

Atmospheric levels should be maintained below the exposure guideline. For exposure to higher, or unknown, levels use an approved supplied air respirator or an approved positive pressure self-contained breathing apparatus if these levels are exceeded.

VENTILATION

Mechanical ventilation and/or local exhaust, sufficient in pattern and volume, to meet TLV requirements and prevent explosive concentrations of solvent vapors.

PROTECTIVE GLOVES

Use Neoprene, vinyl or nitrile rubber gloves.

EYE PROTECTION

Use safety glasses or chemical goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye wash fountain or bottles.
Solvent insoluble barrier hand cream

WORK/HYGIENIC PRACTICES

Remove contaminated clothing. Wash skin and launder clothing before use.

SECTION IX - DISCLAIMER

ALL INFORMATION IS BASED UPON DATA FROM MFG'S AND/OR TECHNICAL SOURCE, & IS BELIEVED TO BE ACCURATE. CONDITIONS OF USE ARE BEYOND OUR CONTROL & THEREFORE USERS ARE RESPONSIBLE TO VERIFY THIS DATA UNDER THEIR OWN CONDITIONS TO DETERMINE SUITABILITY FOR THEIR PURPOSE, & THEY ASSUME ALL RISKS OF USE, HANDLING, & DISPOSAL, OR FROM USE OF INFORMATION CONTAINED HEREIN. THIS INFORMATION RELATES ONLY TO THE PRODUCT DESIGNATED HEREIN, AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH OTHER MATERIAL OR IN ANY OTHER PROCESS.

ADDENDUM TO MSDS

INTENTIONAL MISUSE BY DELIBERATE INHALATION OF **TOLUENE** HAS BEEN ASSOCIATED WITH LIVER, KIDNEY, AND BRAIN DAMAGE IN HUMANS. OVEREXPOSURE TO **TOLUENE** HAS BEEN FOUND TO CAUSE LIVER, KIDNEY, NASAL, AND BRAIN DAMAGE IN LABORATORY ANIMALS. REPEATED OVEREXPOSURE TO HIGH VAPOR CONCENTRATIONS (1000 ppm) OF **N-HEXANE** CAN CAUSE IRREVERSIBLE NERVE DAMAGE. THIS NEUROTOXICITY CAN BE ENHANCED BY THE PRESENCE OF **METHYL ETHYL KETONE**.