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**2800 SWEETWATER AVE**  
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# **TECHNICAL Data Sheet**

## **#PP-50 & #PP-8 POLY-PRIMER SURFACE PREP AND CONDITIONER**

### **TECHNICAL INFORMATION**

#### **(TDS #PP-50 & #PP-8)**

#### **Surface treatment and conditioner**

##### **DESCRIPTION**

This primer is a new surface conditioner that modifies the surface to overcome the difficulties often experienced with exotic plastics, thermoplastics, elastomers, olefins, non-polar plastics and silicones.

Poly-Primer combines the latest in surface tension transformation.  
Modification.

Curing on demand, Poly-Primer will overcome the most difficult non-polar plastics and low energy surfaces.

Giving very acceptable bond strengths. It is simple to apply and can be brushed or sprayed onto clean surfaces.

##### **APPLICATIONS**

- \* Silicone cord, sheet, profiles, molded parts.
- \* Santoprene Cord, sheet, profiles, molded parts.
- \* E.P.D.M Elastomers, Sheet, profiles.
- \* Exotic Plastics, suryn, etc.
- \* Polyolefins (teflons).
- \* Polypropylene/blends (PP).
- \* Polyethylene/blends (PE).
- \* Polytetrafluorethylene (acceptable).

##### **USEFUL HINTS/NOTES**

Ensure both surfaces are free from contamination with an Alcohol wipe before use.

Poly-Primer can be sprayed using the Atomizer supplied. Brushed or Dipped allowing the Solvent Evaporation to dry the parts. Good surface cleanliness is needed to obtain coverage of the Primer. Primer is used only on difficult to bond surfaces where combinations such as polypropylene to metal is in use, only prime the polypropylene.

## **CAUTION**

Strength achievement appears good in the first 5 minutes, however, only 20% of the ultimate strength will be found at this early stage. For best results, do not stress parts until after 24 hours to avoid failures.

## **TECHNICAL FEATURES**

Solvent Base..... Heptane  
Color..... White  
Cure Speed..... <10 seconds  
Viscosity..... 3-6 cps  
Flash Point..... Heptane -1°C  
MCL None  
Shelf life..... 12 months @20°C  
SG. @ 20°C..... .70 (MCL 1.2)  
Drying Time..... <30 secs (both)  
on part life..... 3-6 hours

## **SPECIAL FEATURES**

UV Fluorescence optional.

## **CURED PERFORMANCE (TENSILE SHEAR)**

Strength – Poly-Primer

0.5 mm Gap:..... 3-10 N/mm(2)

Strength (Santoprene) Rubber

0.5 mm Gap: ..... 4-10 N/mm(2)

## **CURED PERFORMANCE (PEEL)**

This Primer/Adhesive combination is not suitable where High Peel resistance is needed.

Testing is @ RH 55% @ 20 C and parts are allowed to cure fully for 24 hours.

## **STORAGE**

Store in a cool area out of direct sunlight in a cool area @ a maximum of 20 C.

## **HEALTH & SEFETY**

Certain grades contain flammable solvents. Avoid contact with skin and eyes. Do not breathe vapors.

The information contained herein is produced in good faith and is believed to be reliable but is for guidance only. Global Adhesives, LLC and its agents cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control. It is the users responsibility to determine the suitability of any of the products and methods of use or preparation prior to uses mentioned in our literature and furthermore the users responsibility to observe and adopt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.



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# **Material Safety Data Sheet**

## **#PP-50 & #PP-8 POLY-PRIMER SURFACE PREP AND CONDITIONER**

### **1. IDENTIFICATION OF PRODUCT & COMPANY**

**PRODUCT NAME – POLY- PRIMER FOR USE WITH CYANOACRYLATE ADHESIVE**

**INTENDED USE - No relevant information-For Professional use only.**

**SUPPLIER – GLOBAL ADHESIVES ,LLC LAKE HAVASU CITY, ARIZONA 928-855-0159**

### **2. COMPOSITION / INFORMATION OF INGREDIENTS**

**No relevant information -** For details of substances presenting a health hazard within the meaning of the Chemicals (Hazard information \* Packaging) regulations 1993 see under Section 8 of this Safety Data Sheet.

### **3. HAZARDS IDENTIFICATION**

Highly Flammable. Keep away from sources of ignition - No smoking. Prolonged contact with product may result in the removal of essential fats and may result in dermatitis unless good personal hygiene is used.

Highly flammable - Harmful by inhalation, in contact with skin and if swallowed.

### **4. FIRST AID MEASURES**

**General:** In all cases of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

**First Aid for Inhalation:** Remove to fresh air, keep warm and at rest. If breathing is irregular or stopped give artificial respiration. Give nothing by mouth.

If unconscious place in recovery position and seek medical advice.

**First Aid for Eye Contact:** Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding the eyelids apart, seek medical advice. Avoid sunlight or other sources of UV radiation.

**First Aid for Skin Contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do **not** use solvents or thinners. Avoid exposure to sunlight or other sources of UV radiation.

**First Aid for Ingestion:** If accidentally swallowed obtain immediate medical attention. Keep at rest. **DO NOT** induce vomiting.

## 5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA - Carbon dioxide, Dry Powder, Halogenated Hydrocarbons, Sand, Foam.  
NOT TO BE USED - Water.

SPECIAL INSTRUCTIONS FOR FIRE FIGHTING PERSONNEL - Fire will produce dense black smoke containing hazardous products of combustion ( see Section 10). Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with a water spray. Do not allow run off from fire fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapors. Refer to protective measures listed in sect. 7&8. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth and place in suitable container for disposal in accordance with the waste regulations. Do not allow large quantities to enter drains or water courses. If it does local water companies should be contacted, in case of contamination of streams rivers or lakes the National Rivers Authority Clean preferably with a detergent , avoid the use of solvents.

## 7. HANDLING AND STORAGE

Vapors are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent creation of explosive or flammable mixtures and avoid vapor concentrations higher than the OEL. Do not use in areas where potential sources of ignition exist. Electrical equipment should be protected to the appropriate standard. Use non sparking tools and exclude sources of heat, sparks & flames. Keep container tightly closed. Never use pressure to empty, container is not a pressure vessel. Always keep in container made of the same material as the supply container. Avoid skin & eye contact. For personal protection see Sect.8. Good housekeeping and regular removal of waste materials will minimize risks. The product may charge electro statically. Use earthen leads when transferring from one container to another. Wear anti-static footwear and clothing & floors should be electrically conductive. Subject to the Highly Flammable Liquids & Liquefied Petroleum Gases Regulations. Up to 50lts may be kept in workroom in a fireproof cupboard or bin, otherwise must be kept in a separate room. For further guidance see the HSE guidance note Storage of Flammable Liquids in Containers. Observe the label precautions. Store between 5 & 25 C in a dry well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store away from oxidizing agents and strongly alkaline and acid materials. The principles contained in the HSE's guidance note Storage Dangerous substances should be observed when storing this product.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Measures** - Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If extraction methods are insufficient to maintain concentrations of particulates and/or solvent vapors below relevant OEL's, suitable respiratory protective equipment should be worn.

Substance Name % Conc Symbol OES 8hr OES Risk Phrases Notation Range ppm 15 min ppm  
HEPTANE >70% & = <100% f 400.00 500.00 11 OES

**Notes** Notations = Sk - risk or absorption through skin Sen - respiratory sensitizer.

OES = Occupational Exposure Standard MEL - Maximum Exposure Limit.

OEL's are from EH40 except where marked SUP which are assigned by the supplier of the substance.

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**General Protection** - All ppe, including rpe, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

**Respiratory Protection** - If exposure to hazardous substances identified above cannot be controlled by provision of local exhaust ventilation & good general extraction, suitable respiratory protective equipment should be worn.

**Hand Protection** - Full physical protection is best. Seek relevant advice from glove manufacturers. Barrier cream may be of help but should not be applied after exposure has occurred.

**Eye Protection** - Eye protection designed to protect to protect against liquid splashes should be worn.

**Skin Protection** - Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

### 9. Physical & Chemical Properties

**PHYSICAL STATE** Clear pale yellow liquid **VAPOUR DENSITY:** HEAVIER THAN AIR

**FLASH POINT LOWER EXPLOSION LIMIT:**

**VISCOSITY SOLUBILITY IN WATER:** PARTIALLY MISCIBLE

**SPECIFIC GRAVITY:** 0.79 gms/cc Method Calculation

### 10. STABILITY AND REACTIVITY

Stable under the recommended storage & handling conditions (see sect.7) In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. Contains materials unstable above 50°C, in sunlight & other strong UV sources, free radical initiators, peroxides, strong acid or alkalis or reactive metals. Contact with the above may lead to uncontrolled exothermic polymerization.

### 11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Symptoms may be delayed. Cases may cause irritation of the respiratory tract. Ingestion may lead to severe respiratory difficulties, stimulation of the central nervous system and in extreme cases unconsciousness.

### 12. ECOLOGICAL INFORMATION

There is no data available on the product itself. Large quantities of the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

### 13. DISPOSAL CONSIDERATIONS

Do not allow large quantities to enter the drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution & Environmental Protection Acts.

#### 14. TRANSPORT INFORMATION

#### 15. REGULATORY INFORMATION

The product is classified and labeled for supply in accordance with the \Chemicals (Hazard Information & Packaging) Regulations as follows:

**Classification:** Highly Flammable

**Contains:** HEPTANE

**Risk Phrases** 11 Highly Flammable

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

**Safety Phrases** 2 Keep out of reach of children. After contact with the skin, wash immediately with plenty of water. If swallowed seek medical advice immediately and show this container or label. Do not breath vapor/spray.

**'P'Phrases** Do not breathe vapors or spray.

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health & safety legislation. The provisions of the Health & Safety at work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

#### 16. OTHER INFORMATION

Text of any Risk Phrases listed in section 8

R11 Highly flammable

Date of Origination 08/09/97

Date of last revision 08/09/97

The information contained in this Safety Data Sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) Regulations. The product should not be used for purposes other than those shown in sect. 1 without first referring to the supplier and obtaining written instructions. As the specific conditions of use of the product are outside of the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health and safety and environmental aspects of the product and should not be construed as any guarantee of technical [performance or suitability for particular applications.

Further information and relevant advice can be found in:-

The Control of Substances Hazardous to Health Regulations 1988 (SI 1988: 1657)

The Manual Handling Operations Regulations 1992 (SI 1992: 2793)

Storage of Flammable Liquids in Containers HS9G) 51

Storage of Packaged Dangerous Substances HS (G)71

The Environmental Protection (Duty Care) Regulations 1992 (SI 1988: 2839)