

**MATERIAL  
SAFETY DATA  
SHEET**

**START-UP Primer SU-P42**

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name: START-UP Primer SU-P42  
 Product Type: Primer  
 Company Name: Fotopolymer Pte Ltd  
 Company Address: 26 Ayer Rajah Crescent  
 #07-01, Singapore 139944

Contact Details:  
 Telephone: +65 67637789  
 Fax: +65 67630252  
 Email: enquiry@fotopolymer.com  
 Website: www.fotopolymer.com

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Ingredients</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
n-Heptane	30-70	400 ppm TWA 500 ppm STEL	500 ppm TWA 2000 mg/m <sup>3</sup>	None
Substituted amidine	10-30	None	None	None

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Physical State: Liquid  
 Colour: Pale Yellow  
 Odour: Mild

**HMIS Code:**

**Health Hazard:** 2  
**Flammability Hazard:** 3  
**Physical Hazard:** 0  
**Personal Protection:** See Section 8

**WARNING:**

**FLAMMABLE LIQUID AND VAPOR. CAUSES EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED.**

**POTENTIAL HEALTH EFFECTS**

Inhalation: Vapours (caused by high temperatures) or mists (caused by mixing) may irritate respiratory tract, and cause headache and nausea.

Skin contact: Irritation to the skin. Repeated or prolonged skin contact may cause an allergic skin reaction causing itching, burning, redness, and swelling. Contact with hot matter can cause thermal burns which may result in permanent damage.

Eye contact: Severe irritation to the eye. Contact with hot material can cause thermal burns which may result in permanent damage or blindness.

Existing Conditions Aggravated by Exposure: Eye, skin, and respiratory disorders.

#### 4. FIRST AID MEASURES

**Ingestion:** If conscious, drink plenty of water. Do not induce vomiting. Keep individual calm. Obtain medical attention.

**Inhalation:** Remove to fresh air. If symptoms persist, obtain medical attention.

**Skin Contact:** Wash with soap and water

**Eye Contact:** Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time.

#### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** Approximately -4°C

**Recommended Extinguishing Agents:** Carbon dioxide, foam, dry chemical

**Special Firefighting Procedures:** Not available

**Hazardous Combustion Products:** Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.

**Unusual Fire or Explosion Hazards:** Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

**Flammable/Explosive Limits – lower %:** Not available

**Flammable/Explosive Limits – upper %:** Not available

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear proper protective equipment

**Measures for Environmental Protection:** Do not allow entry into drains or surface waters

**Clean-up Measures:** Avoid flame and sparks. Maintain adequate ventilation. Soak up in inert absorbent and store in a closed container until disposal.

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition.

**Storage:** Store away from heat, sparks, flames, or other sources of ignition. For safe storage, store at or below 120°F.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

<b>Eye/Face Protection:</b>	Safety glasses or goggles with side shields
<b>Skin Protection:</b>	Use rubber or plastic gloves, and protective clothing as necessary
<b>Respiratory Protection:</b>	Use NIOSH approved respirator if there is a potential to exceed exposure limits
<b>Engineering Controls:</b>	Forced ventilation may be required if concentrations exceed exposure limits

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Color:</b>	Amber
<b>Odor:</b>	Mild
<b>Vapor Pressure:</b>	35 mmHg at 20°C
<b>Vapor Density:</b>	Heavier than air
<b>Solubility in Water:</b>	Not miscible
<b>Specific Gravity:</b>	0.78
<b>Boiling Point:</b>	80°C
<b>Volatile Organic Compound Content</b>	83.84%; 645.1 g/l
<b>Evaporation Rate (Ether = 1)</b>	Not available
<b>pH:</b>	Does not apply

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur
<b>Hazardous Decomposition Products:</b>	Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.
<b>Incompatibility:</b>	Strong oxidizers, peroxides

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicity:</b>	Possible eye and respiratory irritant. Narcotic at high concentrations. Prolonged inhalation may cause headaches. Moderately toxic by ingestion.				
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<b>Ingredients:</b>	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status		
		NTP	IARC	OSHA
<b>n-Heptane</b>	CNS IRR	NO	NO	NO
<b>Substituted amidine</b>	No data	NO	NO	NO

### Abbreviations:

<b>BLO</b>	Blood	<b>CNS</b>	Central Nervous System	<b>IRR</b>	Irritant	<b>SPL</b>	Spleen
<b>KID</b>	Kidney	<b>ALG</b>	Allergen	<b>LIV</b>	Liver		

**12. ECOLOGICAL INFORMATION**

**Water Hazard:** Do not allow large quantities to enter drains or surface waters

**13. DISPOSAL CONSIDERATIONS**

**Recommended methods of disposal:** Dispose of according to Federal, State and Local regulations.

**EPA Hazardous Waste Number:** D001: Ignitable

**14. TRANSPORTATION INFORMATION****U.S. Dept. of Transportation Ground (49 CFR):**

**Proper Shipping Name:** Flammable liquid  
**Hazard Class or Division:** 3  
**Identification Number:** UN 1993  
**Packing group:** II  
**Exceptions:** Consumer Commodity ORM-D (Not more than 1 Liter)

**International Air Transportation (ICAO/IATA):**

**Proper Shipping Name:** Flammable liquid  
**Hazard Class or Division:** 3  
**Identification Number:** UN 1993  
**Packing group:** II  
**Exceptions:** May Qualify as Consumer Commodity ID8000 (Not more than 500 ml)

**Water Transportation (IMO/IMDG):**

**Proper Shipping Name:** Heptane  
**Hazard Class or Division:** 3

**15. REGULATORY INFORMATION**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory

**CERCLA/SARA 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): None

**16. OTHER INFORMATION**

**DISCLAIMER:** Some of the information presented is from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.