

## PRODUCT SAFETY DATA SHEET COSTAR PRIMER 20

### Section 1 - Product Identification

**IDENTITY:** Product Name: COSTAR PRIMER 20  
Chemical Characterization: Liquid  
Product Use Description: Resin Based Polyurethane Primer.

### Section 2 - Hazards Identification

**Classification:**  
(1999/45/EEC) Xn;R20/21, R48/20. Carc. Cat. 3;R40. R42/43. Xi;R36/37/38. R10, R52/5

#### Human health

**Eye Contact:**The product is irritating to eyes

**Skin Contact:**The product is irritating to skin. May cause sensitisation by skin contact

**If Inhaled:** Harmful by inhalation. Contains a substance which may be potentially carcinogenic.

#### Environment

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### Physical and Chemical Hazard

Vapor can be generated by heating of the product that can potentially lead to the formation of explosive vapor/air mixtures.

#### Risk Phrases

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R36/37/38 Irritating to eyes, respiratory system and skin.

R40 Limited evidence of a carcinogenic effect.

R42/43 May cause sensitization by inhalation and skin contact.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Call Us:  
+9254348314

E-mail Us  
Info@costarchem.com

Office Address:  
5041 Mountaire Area, Antioch, California, USA

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### Safety Phrases

S23 Do not breathe vapour/spray.  
 S25 Avoid contact with eyes.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S36/37 Wear suitable protective clothing and gloves.  
 S38 In case of insufficient ventilation, wear suitable respiratory equipment.  
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).  
 S60 This material and its container must be disposed of as hazardous waste.  
 P4 Contains isocyanates. See information supplied by the manufacturer.

### Other hazards which do not result in classification:

None known.

### Section 3 - Composition / Information on Ingredients

INGREDIENT	CLASSIFICATION	PERCENTAGE
XYLENE	CAS-No.: 1330-20-7	30-60%
AROMATIC POLYISOCYANATE PREPOLYMER	CAS-No.: 67815-87-6	10-30%
ETHYLBENZENE	CAS-No.: 100-41-4	10-30%
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE	CAS-No.: 101-68-8	10-30%
OLIGOMERIC MDI	CAS-No.: 32055-14-4	5-10%
DIPHENYLMETHANE-2,4'-DI-ISOCYANATE	CAS-No.: 5873-54-1	1-5%
DIPHENYLMETHANE-2,2'-DI-ISOCYANATE	CAS-No.: 2536-05-2	< 1%

### Section 4 - First Aid Measure

**General advice:** Contaminated clothing should be immediately removed while first aid personnel should also pay attention to their own safety. Move affected persons out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled:** Move affected person to fresh air and seek medical attention when difficulties is observed in breathing.

**In case of skin contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Under no circumstances should organic solvent be used. If symptoms persist, call a physician.

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**In case of eye contact:** Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

**After Ingestion:** Immediately seek medical attention. Do not induce vomiting without medical advice. If Conscious, drink plenty of water.

**Notes to physician:** Treat symptomatically.

### Section 5 - Fire Fighting Measures

**Suitable extinguishing media:** Extinguish with foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire

**Specific extinguishing methods:** Standard procedure for chemical fires.

**Special protective equipment for Firefighters:** In the event of fire, wear self-contained breathing apparatus

**Advice for firefighters:** Containers close to fire should be removed or cooled with water. Keep run-off water out of sewers and water sources. Dike for water control.

### Section 6 - Accidental Release Measures

**Personal-related Safety Precautions:** Wear personal protective equipment while handling product. Emergency procedures are not required.

**Environmental precautions:** No special environmental precautions required.

**Methods for Cleaning up:** Take away/Remove sources of ignition. Ventilate well. Remove mechanically. Collect with absorbent, non-combustible material into suitable containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer. Do not close container tightly. Risk of excess pressure build-up. Keep damp in a safe ventilated area for several days

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### Section 7 – Handling and Storage

**Advice on protection against fire:** Provide good ventilation. Avoid inhalation of vapours/spray and contact with skin and eyes. Static electricity and formation of sparks must be prevented. Keep away from heat, sparks and open flame. Eliminate all sources of ignition..

**Advice on safe handling:** Follow standard hygiene measures when handling chemical products. Avoid eye and skin contact. Keep out of reach of children

**Storage Class:** Chemical storage. Flammable liquid storage.

**Conditions for safe storage:** Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

**Storage:** Store in tightly closed original container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 5°C and 25°C.

### Section 8 – Exposure Controls / Personal Protection

Protective equipment

**Engineering Controls:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

**Respiratory Protection:** Wear a properly fitted NIOSH approved respirator in poorly ventilated areas

**Hand-skin exposure:** When installing, wear appropriate protective rubber or plastic gloves. Wear appropriate impervious clothing to prevent skin exposure (long sleeve shirt and long pants).

**Eye protection:** Wear tightly sealed safety glasses with side shields or goggles. Face shield as necessary.

**Work/Hygienic Practices:** Wash hands before breaks and after work, and before eating, drinking or smoking.

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### Section 9 – Physical and Chemical Properties

**Physical State:** Liquid  
**Appearance/Color:** Creamy  
**Odor:** characteristic  
 Odour Threshold :No data available  
**Solubility in water:** Insoluble  
**Flammability Limit:Upper (%)** 7%  
**Flammability Limit:Lower (%)** 1.1%  
**Auto Ignition Temperature (°C):**500°C  
**Melting point/range / Freezing point:** No data available  
**Boiling point/boiling range:** No data available  
**Flash Point:** ca. No data available  
**Evaporation rate :** No data available  
**Relative Density :** 1.04  
**Viscosity, dynamic :** No data available  
**Viscosity, kinematic :** No data available  
**Explosive properties :** No data available  
**Volatile Organic Compound (VOC):** 480 g/litre  
**Oxidizing properties :** No data available

### Section 10 – Stability and Reactivity

**Chemical Stability:** The Product is stable under normal/prescribed temperatures and pressures.  
**Conditions to Avoid:** Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.  
**Reactivity :** Exothermic reaction with: Alcohols, glycols. Amines. Water, forming CO<sub>2</sub>; in closed containers, risk of bursting owing to pressure increase.  
**Hazardous decomposition products:** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>).  
**Incompatibilities:** Strong acids. Strong alkalis. Strong oxidising substances. Amines. Mercaptans (thiols). Hydrocarbons - halogenated. Water, steam, water mixtures  
**Possibility of hazardous reactions:**Reacts with water, with formation of carbon dioxide  
**Hazardous Polymerisation:**May polymerise  
**Polymerisation Description:**Polymerises above 200°C with evolution of CO<sub>2</sub>

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### Section 11 - Toxicological Information

**Acute toxicity:**

> 2000 mg/kg Rat The toxicological assessment is based on a knowledge of the toxicity of the product's components.

**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Irritating to eye

**Skin sensitisation**

Irritating to skin. May cause sensitisation by skin contact.

**Respiratory sensitisation**

May cause irritation to the respiratory system. May cause sensitisation by inhalation

**Ingestion**

May cause nausea, vomiting and diarrhoea.

**Medical Considerations**

Persons who suffer from hypersensitivity of the respiratory tract (e.g. asthmatics and those who suffer from chronic bronchitis) are advised not to work with this product

### Section 12 - Ecological Information

**Components:**

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**Toxicity to fish :**

Ecotoxic to fish/daphnia/algae

Persistence and degradability:

The product is not readily biodegradable

**Bio accumulative potential**

Not expected to be bioaccumulative

**Mobility in soil No data available**

The product is insoluble in water. The product contains organic solvents which will evaporate easily from all surfaces.

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### Section 13 – Disposal Considerations

**Waste Disposal Method:** Dispose of in a manner consistent with federal, state and local regulations. Do not dispose together with household garbage. Do not allow product to reach sewage system.

**Contaminated packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Waste treatment methods:** Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point. Empty containers must not be burned because of explosion hazard.

### Section 14 – Transport Information

ADR/RID/ADN Class:3

ADR/RID/ADN Class:Class 3: Flammable liquids.

ADR Label No.:3

IMDG Class:3

ICAO Class/Division:2

Transport Labels:



#### Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

ICAO Packing group III

### Section 15 – Regulatory Information

**Uk Regulatory References** The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

**Statutory Instruments** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

**Guidance Notes** Workplace Exposure Limits EH40

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### Section 16 – Other information

(Hazard Rating: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe; \* = Chronic)

**HMIS III rating:**

**Health:** 3\* **Flammability:** 0 **Physical hazard:** 0

Abbreviations and acronyms:

**USDOT:** United States Department of Transportation.

**IMDG:** International Maritime Code for Dangerous Goods.

**IATA:** International Air Transport Association.

**CAS:** Chemical Abstracts Service (Division of the American Chemical Society).

**LC50:** Lethal concentration, 50 percent.

**LD50:** Lethal dose, 50 percent.

SDS prepared by: Costar product safety department

### LEGAL NOTE:

Costarchem products are manufactured and sold in line with standard terms and conditions.

The details based on application and end- use of our products are given to our best technical knowledge, as this takes into note the handling, storage and application process which should be in accordance with Costar's stipulations.

While Costar ensures that product application advice or recommendations it gives is accurate because it has no direct or continuous control over where or how its products are applied, cannot accept any liability either directly or indirectly arising from the use of its products.

The user is responsible for checking and testing the suitability of products for their intended application and purpose and use.

The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery.

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