



# Safety Data Sheet

## 1. Product and Company Identification

<b>Material Name:</b> C-600	<b>Postal Code:</b> NOB 1S0
<b>Material Description:</b> Chemical Cure Activator for FDA Service	<b>Emergency Phone Number:</b> 1-800-424-9300
<b>Manufacturer:</b> Polycorp Ltd.	<b>Information Number:</b> 519-846-2075
<b>Address:</b> 33 York Street Elora, Ontario, Canada	<b>Website:</b> www.poly-corp.com

## 2. Hazard(s) Identification

### GHS Ratings

<b>Flammable liquid</b>	3	Flash point < 23°C and initial boiling point > 60°C (140°F)
<b>Skin corrosive</b>	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
<b>Carcinogen</b>	2	Limited evidence of human or animal carcinogenicity
<b>Reproductive toxin</b>	2	Human or animal evidence possibly with other information
<b>Aspiration hazard</b>	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5
<b>Aquatic toxicity</b>	C2	Acute toxicity > 1.00 but <= 10.0 mg/l

### GHS Hazards

<b>H226</b>	Highly flammable liquid and vapour
<b>H304</b>	May be fatal if swallowed and enters airways
<b>H315</b>	Causes skin irritation
<b>H361</b>	Suspected of damaging fertility or the unborn child
<b>H401</b>	Toxic to aquatic life

### GHS Precautions

<b>P201</b>	Obtain special instructions before use
<b>P202</b>	Do not handle until all safety precautions have been read and understood
<b>P210</b>	Keep away from heat/sparks/open flames/hot surfaces – No smoking
<b>P233</b>	Keep container tightly closed
<b>P240</b>	Ground/bond container and receiving equipment
<b>P241</b>	Use explosion-proof electrical/ventilating/light/manufacture/equipment
<b>P242</b>	Use only non-sparking tools
<b>P243</b>	Take precautionary measures against static discharge
<b>P264</b>	Wash contact area thoroughly after handling.
<b>P273</b>	Avoid release to the environment
<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection
<b>P281</b>	Use personal protective equipment as required
<b>P3321</b>	Specific treatment (see supplemental first aid instruction on this label)
<b>P331</b>	Do NOT induce vomiting

**P362** Take off contaminated clothing and wash before reuse  
**P301+P310** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
**P302+P352** IF ON SKIN: Wash with soap and water  
**P303+P361+P353** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.  
Rinse skin with water/shower  
**P308+P313** IF exposed or concerned: Get medical advice/attention  
**P332+P313** If skin irritation occurs: Get medical advice/attention  
**P370+P378** In case of fire: Use appropriate media for extinction  
**P405** Store locked up  
**P403+P235** Store in a well-ventilated place. Keep cool  
**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.



Signal Word: **Danger**

**Acute Toxicity**

N/A

**Conditions Aggravated**

N/A

**Chronic Effects**

N/A

### 3. Composition / Information on Ingredients

Chemical Name	CAS-No.	Weight Percent
Dimethylbenzene	1330-20-7	50.00% - 60.00%
Trade Secret	Trade Secret	30.00% - 40.00%
Ethylbenzene	100-41-4	10.00% - 20.00%
Chlorofom	67-66-3	0.10% - 1.00%

### 4. First Aid Measures

**Inhalation**

Move affected person to fresh air, rest in a half upright position, and loosen clothing. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek medical advice after significant exposure.

**Eye Contact**

Flush with large amounts of water for at least 15 minutes. Lift eyelids occasionally. Get prompt medical attention.



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**Skin** Wash thoroughly with soap and water immediately. Remove all contaminated clothing immediately. Seek medical advice if irritation persists.

**Ingestion** Seek medical advice. The decision to induce vomiting or not must be made by a physician after careful consideration of all material ingested.

## 5. Fire Fighting Measures

### Suitable Extinguishing Media

Carbon Dioxide---Dry Chemical---Foam---Water Fog

Use water for cooling material stored in vicinity of fire.

### Explosion Hazards

Vapors are heavier than air and may travel along the ground to an ignition source some distance from material handling point. Ignition sources include pilot lights, smoking, heaters, electric motors, sparks from electrical switches and static discharges.

**CAUTION:** Never use cutting torch on empty containers! Residual solvent vapor in empty container may explode. Application to hot surfaces requires special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain Medical Attention.

### Hazardous Combustion Products

N/A

### Recommended Fire Equipment

Use self-contained breathing apparatus with a full-face piece operated in a pressure-demand or other positive pressure mode. Wear protective clothing.

## 6. Accidental Release Measures

### In Case of Spill

Evacuate non-emergency personnel, isolate the area and prevent access. Remove ignition sources. Notify management. Put on protective equipment. Control source of the leak. Ventilate. Contain the spill to prevent spread to drains, sewers, water supplies, or soil. Contact APV (330-773-8911) for assistance and advice.

Cover spill area with a suitable absorbent material (Kitty Litter, Oil-Dri, etc.). Saturate absorbent material with neutralization solution and mix. Wait 15 minutes. Collect material in open-head metal containers. Repeat applications of decontamination solution with scrubbing, followed by absorbent until the surface is decontaminated. Check for residual surface contamination. Swipe test kits have been used for this purpose. Apply lid loosely and allow containers to vent for 72 hours to let carbon dioxide diffuse.



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To minimize vapor, cover the spillage with firefighting foam (AFFF) . Released material may be pumped into closed, but not sealing, metal containers for disposal. Process can generate heat.

## Neutralization solutions

- (1) Colorimetric Laboratories Inc. (CLI) decontamination solution.
  - (2) A mixture of 75% water, 20% non-ionic surfactant (e.g. Plurafac SL-62, Tergitol TMN-10) and 5% n-propanol
  - (3) A mixture of 80% water, 20% non-ionic surfactant (e.g. Plurafac SL-62, Tergitol TMN-10).
  - (4) A mixture of 90% water 3-8% ammonium hydroxide or concentrated ammonia and 2% liquid detergent.
- APV requires that CHEMTREC be immediately notified (800-424-9300) when this product is unintentionally released from its container during its course of distribution, regardless of the amount released. Distribution includes transportation, storage incidental to transportation, loading and unloading. Such notification must be immediate and made by the person have knowledge of the release.

## 7. Handling and Storage

### Precautions for Safe Handling

Keep away from food, drink and heat. Keep away from sources of ignition. No smoking. Do not breathe vapor. Avoid contact with skin and eyes. Never use pressure to empty. Take precautionary measures against static discharges.

Storage temperature-

Minimum: do not freeze

Maximum: 40°C (104°F)

Storage Period- See technical data sheet.

## 8. Exposure Controls / Personal Protection

Chemical Name /CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
<b>Dimethylbenzene</b> 1330-20-7	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	N/A
Trade Secret	N/A	N/A	N/A
<b>Ethylbenzene</b> 100-41-4	100 ppm TWA; 435 mg/m3 TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL
<b>Chloroform</b> 67-66-3	50.0 ppm C 240 mg/m3 TWA	10 ppm TWA	NIOSH: ppm STEL (60 min); 9.78 mg/m3 STEL (60 min)



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Provide sufficient ventilation in volume and pattern to keep air containment concentration below current applicable OSHA permissible exposure limit or ACGIH TLV limit, and volatiles below lower explosive limit . Heavy solvent vapors should be removed from the lower levels of area, and all ignition sources (non-explosion proof equipment) should be eliminated if flammable mixtures will be encountered. Remove decomposition products formed during welding or flame cutting of surfaces coated with this product. For baking finishes - vent vapors emitted on heating.

**Respiratory Protection** - Operator is to use an approved half mask organic vapor respirator under normal conditions. An air supplied, positive pressure respirator may be required if working conditions to not provide adequate ventilation to keep exposures below the limits.

**Skin and Body Protection** - Wear chemical resistant gloves (nitrile) and paint suits. The most suitable glove must be chosen in consultation with the gloves supplier who can inform about the breakthrough time of the glove material.

**Eye Protection**- Wear approved chemical safety goggles where exposure to vapor or contact with eyes is possible. Eye wash stations should also be made available.

## 9. Physical & Chemical Properties

Information on basic physical and chemical properties:

<b>Vapor Density</b>	3.10	<b>Vapor Pressure</b>	22.5 mmHg
<b>Boiling Range</b>	110 to 111 °C, 230 to 232 °F	<b>Specific Gravity (SG)</b>	0.894
<b>Formula Lb / Gal</b>	7.45	<b>% Weight Solids</b>	11.66
<b>% Volume Solids</b>	9.11	<b>U.S. VOC Wt/Gal (wet)</b>	6.58
<b>VOC Wt/Gal (wet)</b>	6.58		

## 10. Chemical Stability & Reactivity Information

### Stability and reactivity profile

This material is considered stable

Hazardous polymerization will not occur.

### The following materials should be avoided in contact with the mixture

Oxidizing agents

### Hazardous decomposition products

Carbon oxides



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## 11. Toxicological Information

Mixture Toxicity

Component Toxicity

LC50 and LD50 toxicity for this product are merely estimates and have yet to be determined. For individual component ecotoxicity, please refer to Section 11.

### Possible Routes of Entry

Inhalation    Skin Contact    Eye Contact    Ingestion

### Potential Target Organs

Eyes    Kidneys    Liver    Central Nervous System    Skin    Respiratory System

### The following components are possible carcinogens

\*Materials labeled a carcinogen in dust form are supplied in solution, thus eliminating the hazard

CAS Number	Description	% Weight	Carcinogen Rating
None			N/A

## 12. Ecological Information

### Mixture Ecotoxicity

Toxicity- Do not release into environment. May cause long term adverse effects.

Persistence and degradability- N/A

Bioaccumulative potential- N/A

Mobility in Soil- N/A

### Component Ecotoxicity

#### **Toluene**

96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old);  
 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static];  
 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static];  
 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static]  
 48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L  
 96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]

## 13. Disposal Considerations

Dispose of in accordance with federal, state and local regulations. Controlled incineration is recommended for disposal of unused product. Prevent contamination of soil, drains and surface waters. Dispose of large containers to a licensed reconditioner. Dispose of small containers in compliance with local regulations.

## 14. Transport Information

Agency	Proper Shipping Name	UN Number Packing	Group Hazard Class
	N/A		

## 15. Regulatory Information

The following chemicals are listed in the EU-Substances of Very High Concern (2008/67/ED) (SVHC):

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
<b>Australia</b>	Australian Inventory of Chemical Substances (AICS)	Yes
<b>Canada</b>	Canadian Domestic Substances List (DSL)	Yes
<b>Canada</b>	Canadian Non-Domestic Substances List (NSDL)	No
<b>China</b>	Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)	No
<b>Europe</b>	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
<b>Europe</b>	European List of Notified Chemical Substances (ELINCS)	No
<b>Europe</b>	REACH Registered or Pre-Registered Substances and Intermediates	Yes
<b>Japan</b>	Japanese Inventory of Existing and New Chemical Substances (ENCS)	Yes
<b>Japan</b>	Japan Inventory of Industrial Safety and Health Law Substances (ISHL)	No
<b>Korea</b>	Korean Existing Chemical Inventory (KECI)	Yes
<b>New Zealand</b>	New Zealand Inventory of Chemicals (NZIoC)	Yes
<b>Philippines</b>	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Yes
<b>USA</b>	Toxic Substances and Control Act (TSCA)	Yes

## 16. Other Information

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

Product Identification	
HEALTH * 2	Acute Numerical Health Rating and Chronic Hazard Indicator (*) (in the same or separate boxes)
FLAMMABILITY 3	Flammability Rating
REACTIVITY 0	Reactivity Rating
PERSONAL PROTECTION F	Personal Protective Equipment Codes

Flammability

Health 2 3 0 Instability

Special

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