

Safety Data Sheet

according to OSHA Hazard Communication
29 CFR Part 1910.1200



SECTION 1: Identification

Product Code: B290
Product Name: Permeable Chip Stabilizer - PCS
Supplied by: BP Pro by S.Vann Inc.
 2941 W. MacArthur Ave, Santa Ana CA 92704
 Tel 866-612-7776
 E-mail: sds@BPPro.biz

24 Hour Emergency: CHEMTRAC: 1-800-424-9300

International: +1-703-527-3887

NOTE: CHEMTRAC emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

SECTION 2: Hazard(s) Identification

*** EMERGENCY OVERVIEW ***:

Highly flammable liquid and vapor. May be fatal if swallowed and enters airway. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Suspect cancer hazard.

GHS Classification

Acute Tox. 4 Inhalation, Asp. Tox. 1, Carc. 2, Eye Irrit. 2, Flam. Liq. 2, Repr. 2,0. Skin Irrit. 2, Skin Sens. 1, STOT RE 2, STOT SE 3 NE, STOT SE 3 RTI

Symbol(s) of Product



Signal Word

Danger

GHS HAZARD STATEMENTS

| | | |
|--|------|--|
| Flammable Liquid, category 2 | H225 | Highly flammable liquid and vapor. |
| Aspiration Hazard, category 1 | H304 | May be fatal if swallowed and enters airways. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| STOT, single exposure, category 3, NE | H336 | May cause drowsiness or dizziness. |
| Carcinogenicity, category 2 | H351 | Suspected of causing cancer. |
| Reproductive Toxicity, category 2 | H361 | Suspected of damaging fertility or the unborn child. |
| STOT, repeated exposure, category 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |

GHS PRECAUTIONARY STATEMENTS

| | |
|-----------|--|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting/equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P264 | Wash thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |

| | |
|----------------|--|
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P312 | Call a POISON CENTER/doctor/physician if you feel unwell. |
| P321 | Specific treatment (see first aid section on this label). |
| P331 | Do NOT induce vomiting. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P370+P378 | In case of fire: Use appropriate method to extinguish. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

SECTION 3: Composition/Information on Ingredients

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|----------------------------|----------------|--------------|--------------------|----------------------------------|
| Acrylic copolymer | Mixture | 10-25 | GHS07-GHS08 | H317-361 |
| Tert butyl acetate | 540-88-5 | 25-50 | GHS02-GHS07 | H225-332-335-336 |
| 2-propanone | 67-64-1 | 2.5-10 | GHS02-GHS07 | H225-319-336 |
| Xylene | 1330-20-7 | 10-25 | GHS02-GHS07-GHS08 | H226-304-315-319-332-335-351-373 |
| Ethylbenzene | 100-41-4 | 2.5-10 | GHS02-GHS07-GHS08 | H225-304-315-319-332-335-351-373 |
| Parachlorobenzotrifluoride | 98-56-6 | 2.5-10 | GHS02-GHS07 | H226-315-319-335 |
| Toluene | 108-88-3 | 0.1-1.0 | GHS02-GHS07-GHS08 | H225-304-315-319-335-336-361-373 |

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section

SECTION 4: First-Aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly. Remove contact lenses if worn.

FIRST AID - SKIN CONTACT: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately and clean shoes before reuse.



FIRST AID - INHALATION: Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

FIRST AID - INGESTION: Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone. If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. To prevent aspiration, keep head below knees.

SECTION 5: Fire-Fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Highly flammable liquid and vapor. Vapors/dust may form explosive mixture with air. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning. Closed container may explode under extreme heat.

SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Do not use water. Water spray to cool containers or protect personnel. Use with caution. Water spray and foam must be applied carefully to avoid frothing.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, and Water Fog.

SECTION 6: Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Evacuate unnecessary personnel. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

SECTION 7: Handling and Storage



HANDLING: Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Material accumulates static charge (ignition source). Take precautionary measures against static discharge. When transferring, follow proper grounding procedures. Use spark-resistant tools. Do not load into compartments adjacent to heated cargo. Use explosion proof equipment. Always open containers slowly to allow any excess pressure to vent. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

STORAGE: Keep away from heat, sparks, and flame. Containers can build up pressure if exposed to heat (fire). Store containers in a cool, well ventilated place. Keep container closed when not in use. Protect from direct sunlight. Material is a static accumulator which has the potential of forming ignitable vapor-air mixtures in storage tanks. Dike storage containers to contain 110% of tank volume. Vent indoor tanks to an outside location so escaping vapors will not contaminate any work areas.

SECTION 8: Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|----------------------------|----------------------|-----------------------|---------------------|-------------------------|
| Xylene | 100 ppm | 150 ppm | 100 ppm | N.D. |
| Acrylic copolymer | N.D. | N.D. | N.D. | N.D. |
| Tert butyl acetate | 200 ppm | N.D. | 200 ppm | N.D. |
| Parachlorobenzotrifluoride | N.D. | N.D. | N.D. | N.D. |
| 2-propanone | 500 ppm | 750 ppm | 1000 ppm | N.D. |
| Ethylbenzene | 100 ppm | 125 ppm | 100 ppm | N.D. |
| Toluene | 20 ppm | N.D. | 200 ppm | 300 ppm |

Personal Protection



RESPIRATORY PROTECTION: Wear a NIOSH/MSHA approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.



SKIN PROTECTION: Wear impervious gloves to prevent contact with the skin. Wear long sleeves when contact is likely to occur. Wear protective gear as needed - apron, suit, boots.



EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.



OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.



HYGIENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

SECTION 9: Physical and Chemical Properties

| | | | |
|----------------------|---------------------------|--------------------------|------------|
| Appearance: | Clear, transparent liquid | Physical State: | Liquid |
| Odor: | Typical | Odor Threshold: | N.D. |
| Density,g/cm3: | 0.928 | pH: | N.D. |
| Freeze Point, °F: | N.D. | Viscosity: | N.D. |
| Solubility in Water: | Partial | Explosive Limits, vol%: | 0.9 – 12.8 |
| Boiling Range, °F: | 133-309 | Flash Point, °F: | 15 |
| Evaporation Rate: | Not determined. | Auto-ignition Temp., °F: | N.D. |
| Vapor Density: | N.D. | Vapor Pressure: | N.D. |

(See "Other Information" Section for abbreviation legend)

SECTION 10: Stability and Reactivity

STABILITY: No Information

CONDITION TO AVOID: Avoid impact, friction, heat, sparks, flame and source of ignition.

INCOMPATIBILITY: Do not add or formulate with nitrates. Prevent contact with halogens. Prevent contact with strong oxidizing agents. Keep away from strong bases. Keep away from acids. Keep separate from alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic gases/fumes are given off during burning or thermal decomposition. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed. During combustion asphyxiants may be formed. At decomposition temperature, chlorine gas may be emitted. May release hydrogen chloride under fire conditions. At decomposition temperature, fluorine gas may be emitted.

HAZARDOUS POLYMERIZATION: No Information

SECTION 11: Toxicological Information



Information on Toxicological Effects

Primary Route(s) of Entry: Eye Contact, ingestion, Skin Contact

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. Breathing in the material may irritate the mucous membranes of the nose, throat bronchi and lungs. Irritating to the respiratory system. Can irritate nose, mouth and throat. Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness. Inhalation may cause coughing, choking, wheezing, difficulty breathing, chest congestion, shortness of breath. High doses may cause CNS stimulation (increased activity, shaking, tremors) and or depression (fatigue, dizziness, possibly loss of concentration with collapse, coma and death in cases of severe over-exposure). Overexposure may cause upper respiratory tract irritation, headaches, cyanosis, blood serum changes, central nervous system damage and narcosis. Danger of serious damage to health by prolonged exposure through inhalation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. May cause redness and pain. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Personnel with pre-existing skin disorders should avoid contact with this product.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes serious irritation to eyes. Symptoms may include stinging, tearing, redness and swelling.

EFFECTS OF OVEREXPOSURE - INGESTION: Harmful if swallowed. Irritating to mouth, throat, and stomach. May be fatal if swallowed and enters airway. May cause lung damage if swallowed. May cause pulmonary edema. Ingestion may result in nausea, vomiting, diarrhea and pain. May cause dizziness and/or stupor. High doses may cause CNS depression (fatigue, dizziness, and possibly loss of concentration with collapse, coma, and death in cases of severe over-exposure).

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Suspect cancer hazard. Possible brain damage from overexposure. The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary

edema. Possible reproductive hazard. A component of this product is a potential hazard to the fetus. Exposure to high concentrations of this material may be associated with cardiac sensitization. Very high exposure (confined spaces/abuse) to light hydrocarbons may result in abnormal heart rhythm. May cause target organ damage. Exposure may damage liver and kidneys. Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

Carcinogenicity

| <u>CAS-No.</u> | <u>Name</u> | <u>IARC</u> | <u>NTP</u> |
|----------------|---------------------------------------|--|------------|
| 1330-20-7 | Xylene | 3- Not classifiable as to its carcinogenicity to humans. | Not Listed |
| Mixture | Acrylic copolymer | N.D. | Not Listed |
| 540-88-5 | Tert butyl acetate | N.D. | N.D. |
| 98-56-6 | Parachlorobenzotrifluoride | 3- Not classifiable as to its carcinogenicity to humans. | Not Listed |
| 67-64-1 | 2-propanone | 3- Not classifiable as to its carcinogenicity to humans. | Not Listed |
| 100-41-4 | Ethylbenzene | 2B- Possibly carcinogenic to humans. | Not Listed |
| 2530-83-8 | Gamma-glycidoxypropyltrimethoxysilane | 3- Not classifiable as to its carcinogenicity to humans. | Not listed |
| 75-65-0 | tert-Butyl Alcohol | N.D. | N.D. |
| 108-88-3 | Toluene | 3- Not classifiable as to its carcinogenicity to humans. | Not Listed |

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Name</u> | <u>Oral LD50, mg/kg</u> | <u>Dermal LD50, mg/kg</u> | <u>Vapor LC50, mg/L</u> |
|----------------|----------------------------|-------------------------|---------------------------|-------------------------|
| 1330-20-7 | Xylene | >3500 | >4200 | >20 |
| Mixture | Acrylic copolymer | >5000 | >3000 | >20 |
| 540-88-5 | Tert butyl acetate | 4500 | >2000 | 12.52 |
| 98-56-6 | Parachlorobenzotrifluoride | 6800 | 2700 | 33.08 |
| 67-64-1 | 2-propanone | 5800 | >2000 | 50.1 |
| 100-41-4 | Ethylbenzene | 3500 | 15433 | >20 |
| 108-88-3 | Toluene | 5580 | 12267 | >20 |

SECTION 12: Ecological Information

ECOLOGICAL INFORMATION: No Information

SECTION 13: Disposal Considerations

For more guidance and information contact our Waste Services Division at (262) 658-4000.

Always dispose of any waste in accordance with all local, state, and federal regulations.

DISPOSAL METHOD: Dispose of waste in accordance with all local, state and federal regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Evacuate unnecessary personnel. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.



SECTION 14: Transport Information

| | | | |
|---------------------------|------------------------|-------------------|----------------|
| DOT Proper Shipping Name: | Paint related material | Packing Group: | II |
| DOT Hazard Class | 3 | Hazard SubClass: | No Information |
| DOT UN/NA Number | UN1263 | Resp. Guide Page: | 128 |

SECTION 15: Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Xylene | 1330-20-7 |
| Ethylbenzene | 100-41-4 |
| Toluene | 108-88-3 |
| Tert-Butyl Alcohol | 75-65-0 |
| Benzene | 71-43-2 |
| Cumene | 98-82-8 |
| Naphthalene | 91-20-3 |

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Naphthalene | 91-20-3 |

U.S. State Regulations:**NEW JERSEY RIGHT-TO-KNOW:**

The following materials are non-hazardous, but are among the top five components in this product.

No NJ Right-No-Know components exist in this product.

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product are at or greater than 3%.

No PA Right-No-Know components exist in this product.

CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Ethylbenzene | 100-41-4 |
| Benzene | 71-43-2 |
| Cumene | 98-82-8 |
| Naphthalene | 91-20-3 |

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Toluene | 108-88-3 |
| Benzene | 71-43-2 |

International Regulations: As follows -**CANADIAN WHMIS:**

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class: No Information

SECTION 16: Other Information

Revision Date:

7/16/2018

Supersedes Date:

8/21/2018

Datasheet produced by: EH&S – Regulatory Department

HMIS Ratings:

Health: 2 **Flammability:** 3 **Reactivity:** 0 **Personal Protection:** X

Volatile Organic Compounds, gr/ltr: 235

DISCLAIMER: THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT REPORTED HEREIN, IF ANY, IS BASED ON A MATERIAL VOC CALCULATION. NOTE THAT SEVERAL METHODS ARE USED FOR CALCULATING VOC CONTENT AND THAT STANDARDS/ REQUIREMENTS REGARDING VOC CONTENT VARY BY LOCATION/JURISDICTION. ACCORDINGLY, EMCO MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS MATERIAL'S COMPLIANCE WITH VOC STANDARDS/ REQUIREMENTS APPLICABLE IN LOCATIONS/JURISDICTIONS WHERE THIS MATERIAL MAY BE SOLD OR USED.

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

| | |
|------|--|
| H225 | Highly flammable liquid and vapor. |
| H226 | Flammable liquid and vapor. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02 GHS07 GHS08



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information on this SDS was obtained from sources which we believe to be reliable. However, the information provided is without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information and recommendations are offered for the user's consideration and examination and should be used to make an independent determination of the methods to safeguard workers and the environment. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For these reasons we do not assume responsibility and expressly disclaim any liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS may not be applicable. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.