



# SAFETY DATA SHEET

## 1. Identification

|   |   |                |
|---|---|----------------|
| <b>Product identifier</b>                                     | <b>KMG Penta Blocks</b>   |                |
| <b>Other means of identification</b>                          |   |                |
| <b>Product code</b>   | EPA Reg. No. 61483-94, PMRA Registration Number 28838             |                |
| <b>Synonyms</b>   | Pentachlorophenol blocks  |                |
| <b>Recommended use</b>  | Wood preservative.  |                |
| <b>Recommended restrictions</b>                               | Restricted use pesticide. See product label for use restrictions. |                |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |   |                |
| <b>Company name</b>   | KMG-Bernuth, Inc.   |                |
| <b>Address</b>  | 300 Throckmorton<br>Suite 1900<br>Fort Worth, TX 76102            |                |
| <b>Telephone</b>  | Phone Number:   | 817-671-6000   |
| <b>Emergency telephone</b>                                    | CHEMTREC:   | 1-800-424-9300 |
|   | Emergency medical treatment: 1-800-322-8177                       |                |

## 2. Hazard(s) identification

|                              |  |  |
|------------------------------|--|--|
| <b>Physical hazards</b>      | Not classified.  |  |
| <b>Health hazards</b>        | Acute toxicity, oral                                       | Category 3   |
|                              | Acute toxicity, inhalation                                 | Category 3   |
|                              | Skin corrosion/irritation                                  | Category 2   |
|                              | Serious eye damage/eye irritation                          | Category 2A  |
|                              | Carcinogenicity  | Category 2   |
|                              | Specific target organ toxicity following single exposure   | Category 1 (Cardiovascular system, heart)                                    |
|                              | Specific target organ toxicity following single exposure   | Category 3 respiratory tract irritation                                      |
|                              | Specific target organ toxicity following repeated exposure | Category 1 (blood, nervous system, respiratory system, heart, liver, kidney) |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, acute hazard         | Category 1   |
|                              | Hazardous to the aquatic environment, long-term hazard     | Category 1   |

### Label elements



|                         |   |
|-------------------------|---|
| <b>Signal word</b>      | Danger  |
| <b>Hazard statement</b> | Toxic if swallowed. Toxic if inhaled. Causes serious eye irritation. May cause respiratory irritation. Suspected of causing cancer. Causes damage to organs (cardiovascular, heart). Causes damage to organs (blood system, nervous system, respiratory system, heart, liver, kidney) through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. |

### Precautionary statements

|                   |   |
|-------------------|---|
| <b>Prevention</b> | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Do not breathe dust. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. |
|-------------------|---|

|                                 |   |
|---------------------------------|---|
| <b>Response</b>                 | If exposed or concerned: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor. If swallowed: Immediately call a poison center/doctor. Rinse mouth. Collect spillage. |
| <b>Storage</b>                  | Store in a well-ventilated place. Keep container tightly closed. Store locked up.   |
| <b>Disposal</b>                 | Dispose of contents/container in accordance with local/regional/national/international regulations.   |
| <b>Other hazards</b>            | None known.   |
| <b>Supplemental information</b> | None.   |

### 3. Composition/information on ingredients

#### Substances

| Chemical name       | Common name and synonyms | CAS number                           | %  |
|---------------------|--------------------------|--------------------------------------|----|
| Pentachlorophenol   |                          | 87-86-5                              | 86 |
| Other Chlorophenols |                          | 58-90-2, 4901-51-3, 88-06-2, 95-95-4 | 10 |
| Other ingredients   |                          | Mixture                              | 4  |

**Composition comments** All concentrations are in percent by weight.

### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.   |
| <b>Skin contact</b>   | Remove contaminated clothes and rinse skin thoroughly with water for at least 15 minutes. Wash contaminated clothing before reuse.  |
| <b>Eye contact</b>  | Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses, if present, after the first 5 minutes, then continue rinsing and open eyes wide apart. Get medical attention if irritation develops and persists.   |
| <b>Ingestion</b>  | Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Only induce vomiting at the instruction of medical personnel. Get medical attention.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Inhalation: Cough. May cause respiratory irritation. Headache. Fever. Sore throat. Eye contact: May cause redness and pain. Skin contact: Blisters. Ingestion: Abdominal cramps. Diarrhoea. Nausea, vomiting. Unconsciousness. The usual symptoms of chloracne are the formation of blackheads, whiteheads and yellow cysts over the temples and around the ears. Symptoms reverse upon removal of exposure source. |
| <b>Indication of immediate medical attention and special treatment needed</b> | In case of shortness of breath, give oxygen. Keep victim warm. This product is a metabolic stimulant. Treatment is supportive. Forced diuresis may be effective to reduce a total body burden. Treat hypothermia with physical measures. Do not administer aspirin, phenothiazines or atropine since they may enhance toxicity.   |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Have product packaging or a label with you when calling a poison center or a doctor, or going for a treatment. You may also contact 1-800-322-8177 for emergency medical treatment.  |

### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Use fire-extinguishing media appropriate for surrounding materials.   |
| <b>Unsuitable extinguishing media</b>                                | None.   |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Not available.  |
| <b>Fire fighting equipment/instructions</b>                          | Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.  |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

This product is produced and shipped in a 2000 lb solid block form and is placed in a large clear polyethylene bag and then placed in a polyethylene woven fabric super sack. The block is placed on a pallet and the wrapped block is strapped to the pallet for shipment to the customer who will remove the solid block from the wrapping and place it in a dissolver vessel where it is dissolved in a hot solvent to produce the final liquid product.

Solid form.

Avoid handling and storage conditions which could result in the formation of dust, flaking or breakage of the solid block products.

Liquid form.

In the event of a spillage or leak, keep non-essential personnel away from the area. Local authorities should be advised if significant spillages cannot be contained. Stay upwind. Ventilate closed spaces before entering. Ensure adequate ventilation. If leakage cannot be stopped, evacuate area. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid any exposure. Wear suitable protective clothing.

Use personal protection recommended in Section 8 of the SDS.

### Methods and materials for containment and cleaning up

For the solid product, isolate the dust, flakes and any large chunks in as small an area as possible for subsequent clean-up. Sweep and scoop up any dust, flakes, or other residue utilizing non-sparking equipment. Wear suitable protective clothing. Place residue in an approved container for disposal according to the applicable State and Federal laws.

For the liquid product, stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas. Immediately restrict access to the spill area. Ventilate the spill area. Wear suitable protective clothing. For small spills, absorb the liquid on clay or vermiculite. Sweep up absorbent material and place in an approved container for disposal according to the applicable State and Federal laws. For large spills, eliminate all sources of ignition, stop the flow of product from the spill source, restrict access to the spill area, dike the area to prevent spreading, collect all pumpable quantities into a recovery vessel, absorb the remaining liquid on clay or vermiculite, sweep up absorbent material and place in an approved container for disposal according to the applicable State and Federal laws.

Clean up in accordance with all applicable regulations.

### Environmental precautions

Depending on the product form (solid or liquid), prevent further formation of dust, flaking or breakage of the solid material and prevent further leakage or spillage of the liquid material. Do not contaminate water.

## 7. Handling and storage

### Precautions for safe handling

Exposure to pentachlorophenol during pregnancy should be avoided. Avoid dust formation. Local exhaust is recommended. Avoid any exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store in closed original manufacturer's packaging in a dry place. Do not store near heat sources or expose to high temperatures. Keep original packaging tightly closed. Keep in a well-ventilated place. Keep this material away from food, drink and animal feed. Store away from incompatible materials.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| Components                      | Type | Value                 | Form                          |
|---------------------------------|------|-----------------------|-------------------------------|
| Pentachlorophenol (CAS 87-86-5) | STEL | 1 mg/m <sup>3</sup>   | Inhalable fraction and vapor. |
|                                 | TWA  | 0.5 mg/m <sup>3</sup> | Inhalable fraction and vapor. |

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Components                      | Type | Value                 |
|---------------------------------|------|-----------------------|
| Pentachlorophenol (CAS 87-86-5) | TWA  | 0.5 mg/m <sup>3</sup> |

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

| Components                      | Type | Value     |
|---------------------------------|------|-----------|
| Pentachlorophenol (CAS 87-86-5) | TWA  | 0.5 mg/m3 |

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

| Components                      | Type | Value     | Form                          |
|---------------------------------|------|-----------|-------------------------------|
| Pentachlorophenol (CAS 87-86-5) | STEL | 1 mg/m3   | Inhalable fraction and vapor. |
|                                 | TWA  | 0.5 mg/m3 | Inhalable fraction and vapor. |

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

| Components                      | Type | Value     |
|---------------------------------|------|-----------|
| Pentachlorophenol (CAS 87-86-5) | TWA  | 0.5 mg/m3 |

**Canada. Quebec OELs. (Ministry of Labour - Regulation Respecting the Quality of the Work Environment)**

| Components                      | Type | Value     |
|---------------------------------|------|-----------|
| Pentachlorophenol (CAS 87-86-5) | TWA  | 0.5 mg/m3 |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** No exposure standards allocated.

**Canada - Alberta OELs: Skin designation**

Pentachlorophenol (CAS 87-86-5) Can be absorbed through the skin.

**Canada - British Columbia OELs: Skin designation**

Pentachlorophenol (CAS 87-86-5) Can be absorbed through the skin.

**Canada - Manitoba OELs: Skin designation**

Pentachlorophenol (CAS 87-86-5) Can be absorbed through the skin.

**Canada - Ontario OELs: Skin designation**

Pentachlorophenol (CAS 87-86-5) Can be absorbed through the skin.

**Canada - Quebec OELs: Skin designation**

Pentachlorophenol (CAS 87-86-5) Can be absorbed through the skin.

**Canada - Saskatchewan OELs: Skin designation**

Pentachlorophenol (CAS 87-86-5) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

Pentachlorophenol (CAS 87-86-5) Can be absorbed through the skin.

**Appropriate engineering controls** Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of dust.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Use protective eyewear. Do not wear contact lenses. When mixing penta solution, wear chemical goggles and/or face shield. All personnel cleaning or maintaining the treatment cylinder gasket/equipment or working with concentrate or wood treatment preservative must wear a full face shield.

**Skin protection**

**Hand protection**

Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.

**Other**

Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Protective shoes or boots. Structural firefighters protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations. Wear chemical protective equipment that is specifically recommended by the Personal Protective Equipment manufacturer. Wear appropriate chemical resistant clothing to prevent any possibility of skin contact. Examples of acceptable materials for protective clothing (e.g. gloves, overalls, jackets and boots) required during application and handling of pentachlorophenol are polyvinyl acetate (PVA), polyvinyl chloride (PCV), neoprene, NBR (Buna-N) and nitrile.

**Respiratory protection**

If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL, suitable respiratory protection must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. The term "respirators" means properly fitting well-maintained. Half-mask canister or cartridge respirators which are MSHA/NIOSH approved for organic vapors and acid gases. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practices. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Eating, drinking and smoking are prohibited in the treatment cylinder load-out area, drip pad area and engineering control room of the wood treatment facilities. EXCEPTION: Where treating operator control rooms are isolated from the treating cylinders, drip pad and work tanks, eating, drinking and smoking (depending on local regulations) are permitted. Users must remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Personnel must leave aprons, protective coveralls, chemical resistant gloves, work footwear and any other material contaminated with preservative at the treatment facility. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with product's concentrate. Do not reuse them.

**9. Physical and chemical properties**

|   |   |
|---|---|
| <b>Appearance</b>                                   | Crystals.   |
| <b>Physical state</b>                               | Solid.  |
| <b>Form</b>   | Solid.  |
| <b>Colour</b>                                       | Very light tan to brown.                          |
| <b>Odour</b>  | Phenolic.   |
| <b>Odour threshold</b>                              | Not available.                                    |
| <b>pH</b>   | Not applicable.                                   |
| <b>Melting point/freezing point</b>                 | 174 - 182 °C (345.2 - 359.6 °F) / Not applicable. |
| <b>Initial boiling point and boiling range</b>      | Not applicable.                                   |
| <b>Flash point</b>                                  | Non flammable.                                    |
| <b>Evaporation rate</b>                             | Not applicable.                                   |
| <b>Flammability (solid, gas)</b>                    | Non flammable.                                    |
| <b>Upper/lower flammability or explosive limits</b> |   |
| <b>Flammability limit - lower (%)</b>               | Not applicable.                                   |
| <b>Flammability limit - upper (%)</b>               | Not applicable.                                   |
| <b>Vapour pressure</b>                              | 5.1 x 10 <sup>-5</sup> hPa at 20°C                |
| <b>Vapour density</b>                               | Not applicable.                                   |
| <b>Relative density</b>                             | 1.948 (Water = 1.0, 20°C)                         |
| <b>Solubility(ies)</b>                              |   |
| <b>Solubility (water)</b>                           | 0.01 g/l (20°C)                                   |
| <b>Partition coefficient (n-octanol/water)</b>      | 3 (pH=7)<br>5 (pH=2)                              |
| <b>Auto-ignition temperature</b>                    | Not applicable.                                   |
| <b>Decomposition temperature</b>                    | Not available.                                    |
| <b>Viscosity</b>                                    | Not applicable.                                   |
| <b>Other information</b>                            |   |
| <b>Bulk density</b>                                 | 123.6 lb/ft <sup>3</sup> (20°)                    |

|                   |                          |
|-------------------|--------------------------|
| Density           | 1.93 g/cc (20°C)         |
| Molecular formula | C6HCl5O                  |
| Molecular weight  | 266.32 g/mol             |
| Percent volatile  | No data available.       |
| Specific gravity  | 1.95 (Water = 1.0, 20°C) |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.   |
| <b>Chemical stability</b>                 | Stable under normal temperature conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerisation does not occur.  |
| <b>Conditions to avoid</b>                | Avoid dust formation. Elevated temperatures. Decomposes on heating above 200°C, producing toxic and corrosive fumes including dioxins.          |
| <b>Incompatible materials</b>             | Strong oxidising agents.  |
| <b>Hazardous decomposition products</b>   | Carbon oxides. Chlorinated hydrocarbons. Chlorine. Decomposes on heating in the presence of water, forming corrosive fumes (hydrochloric acid). |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Toxic if inhaled. May cause respiratory irritation. |
| <b>Skin contact</b> | Causes mild skin irritation.                        |
| <b>Eye contact</b>  | Causes serious eye irritation.                      |
| <b>Ingestion</b>    | Toxic if swallowed.                                 |

**Symptoms related to the physical, chemical and toxicological characteristics**  
 Inhalation: Cough. May cause respiratory irritation. Headache. Fever. Sore throat. Eye contact: May cause redness and pain. Skin contact: Blisters. Ingestion: Abdominal cramps. Diarrhoea. Nausea, vomiting. Unconsciousness. The usual symptoms of chloracne are the formation of blackheads, whiteheads and yellow cysts over the temples and around the ears. Symptoms reverse upon removal of exposure source.

### Information on toxicological effects

**Acute toxicity** Toxic if swallowed. Toxic if inhaled.

| Product                        | Species | Test results     |
|--------------------------------|---------|------------------|
| KMG Penta Blocks (CAS Mixture) |         |                  |
| <b>Acute</b>                   |         |                  |
| <i>Dermal</i>                  |         |                  |
| LD50                           | Rat     | > 5000 mg/kg     |
| <i>Inhalation</i>              |         |                  |
| LC50                           | Rat     | 0.53 - 2.09 mg/l |
| <i>Oral</i>                    |         |                  |
| LD50                           | Rat     | 146 mg/kg        |

**Skin corrosion/irritation** Causes mild skin irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

### Respiratory or skin sensitisation

|                                  |                   |
|----------------------------------|-------------------|
| <b>Respiratory sensitisation</b> | Not classified.   |
| <b>Skin sensitisation</b>        | Not a sensitizer. |

**Germ cell mutagenicity** Not expected to be mutagenic.

**Carcinogenicity**  
 Pentachlorophenol (CAS 87-86-5) A3 Confirmed animal carcinogen with unknown relevance to humans.  
 ACGIH Group A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans).  
 May cause cancer.  
 EPA carcinogen rating of B2 Probable Human Carcinogen. Rating by the EPA Health Effects Division Carcinogenicity Assessment Review Committee and EPA's Science Advisory Board.

### ACGIH Carcinogens

|                                 |  |
|---------------------------------|--|
| Pentachlorophenol (CAS 87-86-5) | A3 Confirmed animal carcinogen with unknown relevance to humans. |
|---------------------------------|--|

**Canada - Manitoba OELs: carcinogenicity**

Pentachlorophenol (CAS 87-86-5)

Confirmed animal carcinogen with unknown relevance to humans.

**Canada - Quebec OELs: Carcinogen category**

Pentachlorophenol (CAS 87-86-5)

Suspected carcinogenic effect in humans.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Pentachlorophenol (CAS 87-86-5)

2B Possibly carcinogenic to humans.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Pentachlorophenol (CAS 87-86-5)

Reasonably Anticipated to be a Human Carcinogen.

**Reproductive toxicity**

Pentachlorophenol has not been found to cause teratogenic effects (birth defects) in lab animals but can cause delays in normal fetal development. EPA has expressed an opinion that pentachlorophenol may produce defects in the offspring of lab animals.

**Specific target organ toxicity - single exposure**

May cause respiratory irritation. Causes damage to organs: Cardiovascular system. Heart.

**Specific target organ toxicity - repeated exposure**

Causes damage to organs through prolonged or repeated exposure. Blood system. Nervous system. Respiratory system. Heart. Liver. Kidney.

**Aspiration hazard**

Not classified.

**Chronic effects**

May cause blood damage. Can cause cardiovascular effects. May cause damage to the heart. May cause damage to the liver and kidneys. Suspect cancer hazard - may cause cancer.

**Further information**

Human exposure to pentachlorophenol may result in the development of chloracne. Mild cases resemble other forms of acne or skin changes observed with aging.

**12. Ecological information****Ecotoxicity**

Very toxic to aquatic organisms.

**Persistence and degradability**

Pentachlorophenol is hydrolytically stable in water at pH 4 to pH 9, precluding hydrolysis as a major degradation process in the environment. Chemical degradation of pentachlorophenol in water will occur mainly through photo-degradation. In surface water, pentachlorophenol will rapidly photo-degrade when exposed to direct sunlight, with more rapid degradation occurring with increased pH (when the compound is dissociated).

**Bioaccumulative potential****Partition coefficient n-octanol / water (log Kow)**

KMG Penta Blocks

3, (pH=7)

5, (pH=2)

**Mobility in soil**

The product is moderately mobile in sandy loam soil and appears immobile in clay soils. Products shows slight mobility in silt loam soil.

**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations****Disposal instructions**

Dispose of this material and its container to hazardous or special waste collection point. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

**Hazardous waste code**

Waste codes should be assigned by the user based on the application for which the product was used.

**Waste from residues / unused products**

Dispose of in accordance with local regulations.

**Contaminated packaging**

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

**14. Transport information****TDG****UN number**

UN3155

**UN proper shipping name**

Pentachlorophenol

**Transport hazard class(es)****Class**

6.1

**Subsidiary risk**

-

**Packing group**

II

**Environmental hazards**

Yes

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.

**IATA****UN number**

UN3155

**UN proper shipping name** Pentachlorophenol  
**Transport hazard class(es)**  
**Class** 6.1  
**Subsidiary risk** -  
**Label(s)** 6.1  
**Packing group** II  
**Environmental hazards** Yes  
**ERG Code** 6L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

#### IMDG

**UN number** UN3155  
**UN proper shipping name** PENTACHLOROPHENOL  
**Transport hazard class(es)**  
**Class** 6.1  
**Subsidiary risk** -  
**Label(s)** 6.1  
**Packing group** II  
**Environmental hazards**  
**Marine pollutant** Yes  
**EmS** F-A, S-A  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

#### Controlled Drugs and Substances Act

Not regulated.

#### Export Control List (CEPA 1999, Schedule 3)

Pentachlorophenol (CAS 87-86-5) Substance subject to notification or consent.

#### Greenhouse Gases

Not listed.

#### Precursor Control Regulations

Not regulated.

#### International regulations

##### Stockholm Convention

Not applicable.

##### Rotterdam Convention

Pentachlorophenol (CAS 87-86-5) Pesticide

##### Kyoto protocol

Not applicable.

##### Montreal Protocol

Not applicable.

##### Basel Convention

Not applicable.

#### International Inventories

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada               | Domestic Substances List (DSL)   | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe               | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |



| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)          | No                     |
| Korea                       | Existing Chemicals List (ECL)                                     | No                     |
| New Zealand                 | New Zealand Inventory   | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

|                            |   |
|----------------------------|---|
| <b>Issue date</b>          | 20-June-2016  |
| <b>Revision date</b>       | -   |
| <b>Version No.</b>         | 01  |
| <b>Further information</b> | The mixture is classified based on test data for physical hazards. The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. For details, refer to Sections 9, 11 and 12. |
| <b>References</b>          | ACGIH<br>EPA: Acquire database<br>NLM: Hazardous Substances Data Base<br>US. IARC Monographs on Occupational Exposures to Chemical Agents   |
| <b>Disclaimer</b>          | This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.                                 |