

**Performance Pipe (PE Pipe and Fittings: Various Colors)**

Version 1.1

Revision Date 2012-09-24

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**Product information**

Trade name : Performance Pipe (PE Pipe and Fittings: Various Colors)

Use : Conveyance of liquids, gases and other media.

 Company : Performance Pipe, A Division of  
 Chevron Phillips Chemical Company LP  
 10001 Six Pines Drive  
 The Woodlands, TX 77380

**Emergency telephone:**
**Health:**

866.442.9628 (North America)

1.832.813.4984 (International)

**Transport:**

North America: CHEMTREC 800.424.9300 or 703.527.3887

Asia: +800 CHEMCALL (+800 2436 2255) China: 0532.8388.9090

EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Chemcare Asia: Tel: +65 6848 9048 - Mob: +65 8382 9188 - Fax: +65 6848 9013

South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

Responsible Department : Product Safety and Toxicology Group

E-mail address : MSDS@CPChem.com

Website : www.CPChem.com

**SECTION 2: Hazards identification**
**GHS Classification**

Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**GHS-Labeling**

Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Components are encapsulated within the product matrix.

**SECTION 3: Composition/information on ingredients**

Synonyms : Polyethylene Plastic DriscoPlex® Pipe and Fittings

Molecular formula : Mixture

Chemical Name	CAS-No. / EINECS-No.	Concentration [wt%]
Polyethylene	9002-88-4	96 - 100
Polyethylene Butene Copolymer	25087-34-7	96 - 100

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Polyethylene Hexene Copolymer	25213-02-9	96 - 100
Carbon Black	1333-86-4	0 - 5
Lead Chromate pigment	1344-37-2	0 - 1
Titanium Dioxide	13463-67-7	0 - 1

**SECTION 4: First aid measures**

- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
- In case of skin contact : If the molten material gets on skin, quickly cool in water. Seek immediate medical attention. Do not try to peel the solidified material from the skin or use solvents or thinners to dissolve it.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**SECTION 5: Firefighting measures**

- Flash point : Not applicable
- Suitable extinguishing media : Water. Water mist. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Foam. If possible, water should be applied as a spray from a fogging nozzle since this is a surface burning material. The application of high velocity water will spread the burning surface layer. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during fire fighting : Risks of ignition followed by flame propagation or secondary explosions can be caused by the accumulation of dust, e.g. on floors and ledges.
- Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
- Further information : This material will burn although it is not easily ignited.
- Fire and explosion protection : Treat as a solid that can burn.
- Hazardous decomposition products : Normal combustion forms carbon dioxide, water vapor and may produce carbon monoxide, other hydrocarbons and hydrocarbon oxidation products (ketones, aldehydes, organic acids) depending on temperature and air availability. Incomplete combustion can also produce formaldehyde.

**SECTION 6: Accidental release measures**

- Personal precautions : None

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Environmental precautions : None

**SECTION 7: Handling and storage****Handling**

Advice on protection against fire and explosion : Treat as a solid that can burn.

**Storage**

Requirements for storage areas and containers : Keep in a dry place. Keep in a well-ventilated place.

Advice on common storage : Do not store together with oxidizing and self-igniting products.

**SECTION 8: Exposure controls/personal protection****Ingredients with workplace control parameters****CA**

Ingredients	Basis	Value	Control parameters	Note
Nuisance Dust	OSHA Z3	TWA	15 mg/m3	Total dust
	OSHA Z3	TWA	5 mg/m3	(respirable dust)

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

Eye protection : No eye protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid eye contact.

Skin and body protection : At ambient temperatures use of clean and protective clothing is good industrial practice. If the material is heated or molten, wear thermally insulated, heat-resistant gloves that are able to withstand the temperature of the molten product. If this material is heated, wear insulated clothing to prevent skin contact if engineering controls or work practices are not adequate. Heavy duty work shoes.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties****Appearance**Form : Plastic  
Physical state : Solid  
Color : Various  
Odor : Mild to no odor**Safety data**

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Flash point : Not applicable

Oxidizing properties : No

Molecular formula : Mixture

Melting point/range : 250 °C (482 °F)

Relative density : 0.95

Density : 0.95 g/cm<sup>3</sup>

Water solubility : Insoluble

**SECTION 10: Stability and reactivity**

Chemical stability : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Possibility of hazardous reactions**

Conditions to avoid : Avoid prolonged storage at elevated temperature.

Materials to avoid : Avoid contact with strong oxidizing agents.

Thermal decomposition : Low molecular weight hydrocarbons, alcohols, aldehydes, acids and ketones can be formed during thermal processing.

Other data : No decomposition if stored and applied as directed.

**SECTION 11: Toxicological information****Performance Pipe (PE Pipe and Fittings: Various Colors)****Acute oral toxicity** : Presumed Not Toxic**Performance Pipe (PE Pipe and Fittings: Various Colors)****Acute inhalation toxicity** : Presumed Not Toxic**Performance Pipe (PE Pipe and Fittings: Various Colors)****Acute dermal toxicity** : Presumed Not Toxic**Performance Pipe (PE Pipe and Fittings: Various Colors)****Skin irritation** : No skin irritation**Performance Pipe (PE Pipe and Fittings: Various Colors)****Eye irritation** : No eye irritation

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**Performance Pipe (PE Pipe and Fittings: Various Colors)****Sensitization** : Did not cause sensitization on laboratory animals.**Performance Pipe (PE Pipe and Fittings: Various Colors)****Aspiration toxicity** : No aspiration toxicity classification.**SECTION 12: Ecological information****Ecotoxicity effects**

Elimination information (persistence and degradability)

Bioaccumulation : Does not bioaccumulate.

Mobility : The product is insoluble and floats on water.

Biodegradability : This material is not expected to be readily biodegradable.

Additional ecological information : This material is not expected to be harmful to aquatic organisms.  
Fish or birds may eat pellets which may obstruct their digestive tracts.**SECTION 13: Disposal considerations**

The information in this MSDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

**SECTION 14: Transport information****The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).**

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the MSDS and the bill of lading.

**US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)**NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR  
TRANSPORTATION BY THIS AGENCY.

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**IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

**SECTION 15: Regulatory information****National legislation**

**WHMIS Classification** : Not Rated

**Canadian PBT Chemicals** : This product does not contain any components on the DSL that are classified as Persistent, Bioaccumulative and Toxic (PBT) under CEPA.

**Notification status**

Europe REACH : On the inventory, or in compliance with the inventory

United States of America US.TSCA : On TSCA Inventory

Canada DSL : All components of this product are on the Canadian DSL list.

Australia AICS : On the inventory, or in compliance with the inventory

New Zealand NZIoC : On the inventory, or in compliance with the inventory

Japan ENCS : On the inventory, or in compliance with the inventory

Korea KECI : On the inventory, or in compliance with the inventory

Philippines PICCS : On the inventory, or in compliance with the inventory

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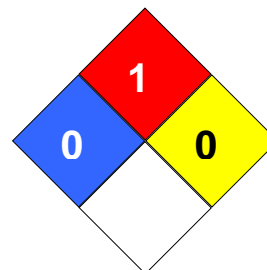
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China IECSC

: On the inventory, or in compliance with the inventory

**SECTION 16: Other information**

**NFPA Classification** : Health Hazard: 0  
Fire Hazard: 1  
Reactivity Hazard: 0

**Further information**

Legacy MSDS Number : 6371

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this MSDS pertains only to the product as shipped.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research	TLV	Threshold Limit Value

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	on Cancer		
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		