

SAFETY DATA SHEET



Performance Pipe (PE Pipe and Fittings: Various Colors)

Version 1.3

Revision Date 2015-10-27

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

Product information

Product Name : Performance Pipe (PE Pipe and Fittings: Various Colors)
Material : 1068064, 1096623, 1057036, 1103213, 1056889, 1056845, 1056798, 1061143, 1002382, 1008501, 1098385, 1002298, 1083165, 1002266, 1112056, 1002243, 1114924, 1097906, 1108020, 1108019, 1114925

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:

CHEMTREC 1.800.424.9300 (within USA and Canada) or 703.527.3887 (outside USA and Canada)

Asia: +800 CHEM CALL (+800 2436 2255) China: +86-21-22157316

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

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 : SDS@CPChem.com
Website : www.CPChem.com

SECTION 2: Hazards identification

Classification of the substance or mixture

This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

Emergency Overview

Form: Plastic **Physical state:** Solid **Color:** Various **Odor:** Mild to no odor

OSHA Hazards : This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Classification

:

Performance Pipe (PE Pipe and Fittings: Various Colors)

Version 1.3

Revision Date 2015-10-27

Not a hazardous substance or mixture.

Labeling

Not a hazardous substance or mixture.

Potential Health Effects

Physical Hazards	: Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).
Inhalation	: Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).
Skin	: Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS). If this material is heated, thermal burns may result from contact. Thermal burns may include pain or feeling of heat, discolorations, swelling, and blistering.
Eyes	: Not expected to cause prolonged or significant eye irritation. Thermal burns may result if heated material contacts eye.
Ingestion	: Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Carcinogenicity:

IARC	Group 1: Carcinogenic to humans Lead Chromate 1344-37-2 Group 2A: Probably carcinogenic to humans Group 2B: Possibly carcinogenic to humans Carbon Black 1333-86-4 Titanium Dioxide 13463-67-7
NTP	Known to be human carcinogen Lead Chromate 1344-37-2 Reasonably anticipated to be a human carcinogen
ACGIH	Confirmed animal carcinogen with unknown relevance to humans Lead Chromate 1344-37-2

Components are encapsulated within the product matrix.

SECTION 3: Composition/information on ingredients

Synonyms	: Polyethylene Plastic DriscoPlex® Pipe and Fittings
Molecular formula	: Mixture

Component	CAS-No.	Weight %
Polyethylene	9002-88-4	96 - 100
Polyethylene Butene Copolymer	25087-34-7	96 - 100
Polyethylene Hexene Copolymer	25213-02-9	96 - 100

Performance Pipe (PE Pipe and Fittings: Various Colors)

Version 1.3

Revision Date 2015-10-27

Carbon Black	1333-86-4	0 - 5
Lead Chromate	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 (CO₂). 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 firefighting 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

Performance Pipe (PE Pipe and Fittings: Various Colors)

Version 1.3

Revision Date 2015-10-27

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****US**

Ingredients	Basis	Value	Control parameters	Note
Nuisance Dust	OSHA Z-3	TWA	15 mg/m ³	Total dust
	OSHA Z-3	TWA	5 mg/m ³	(respirable dust)

Control as Particulate Not Otherwise Classified (PNOC). The ACGIH Guideline* for respirable dust is 3.0 mg/m³ and 10.0 mg/m³ for total dust. The OSHA PEL for respirable dust is 5.0 mg/m³ and 15.0 mg/m³ for total dust.

* This value is for inhalable (total) particulate matter containing no asbestos and < 1.0% crystalline silica.

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

Performance Pipe (PE Pipe and Fittings: Various Colors)

Version 1.3

Revision Date 2015-10-27

Odor : Mild to no odor
 Odor Threshold : No data available

Safety data

Flash point : Not applicable

Lower explosion limit : Not applicable

Upper explosion limit : Not applicable

Oxidizing properties : No

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

Molecular formula : Mixture

pH : Not applicable

Melting point/range : 250 °C (482 °F)

Boiling point/boiling range : Not applicable

Vapor pressure : Not applicable

Relative density : 0.95

Density : 0.95 g/cm3

Water solubility : Insoluble

Partition coefficient: n-octanol/water : No data available

Viscosity, kinematic : Not applicable

SECTION 10: Stability and reactivity

Reactivity : This material is considered non-reactive under normal ambient and anticipated storage and handling conditions of temperature and pressure.

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.

Performance Pipe (PE Pipe and Fittings: Various Colors)

Version 1.3

Revision Date 2015-10-27

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.
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.
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

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.

CMR effects

Carbon Black : Carcinogenicity: Limited evidence of carcinogenicity in animal studies

Lead Chromate : Carcinogenicity: Possible human carcinogen
Mutagenicity: In vivo tests did not show mutagenic effects
Reproductive toxicity: Positive evidence of adverse effects on sexual function, fertility and/or development from human epidemiological studies.

Performance Pipe (PE Pipe and Fittings: Various Colors)

Version 1.3

Revision Date 2015-10-27

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.

Ecotoxicology Assessment

Acute aquatic toxicity

Lead Chromate : Very toxic to aquatic life.

Chronic aquatic toxicity

Lead Chromate : Very toxic to aquatic life with long lasting effects.

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 SDS 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 SDS 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.

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

MSDS Number:100000014357

7/11

Performance Pipe (PE Pipe and Fittings: Various Colors)

Version 1.3

Revision Date 2015-10-27

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

SARA 311/312 Hazards : No SARA Hazards

CERCLA Reportable Quantity : This material does not contain any components with a CERCLA RQ.

SARA 302 Reportable Quantity : This material does not contain any components with a SARA 302 RQ.

SARA 302 Threshold Planning Quantity : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

Performance Pipe (PE Pipe and Fittings: Various Colors)

Version 1.3

Revision Date 2015-10-27

SARA 313 Ingredients : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMi Intermediate or Final VOC's (40 CFR 60.489).

US State Regulations

Pennsylvania Right To Know

: Carbon Black - 1333-86-4
Titanium Dioxide - 13463-67-7

New Jersey Right To Know

: Carbon Black - 1333-86-4
Lead Chromate - 1344-37-2
Titanium Dioxide - 13463-67-7

California Prop. 65 Ingredients

: WARNING! This product contains a chemical known in the State of California to cause cancer.

WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

Performance Pipe (PE Pipe and Fittings: Various Colors)

Version 1.3

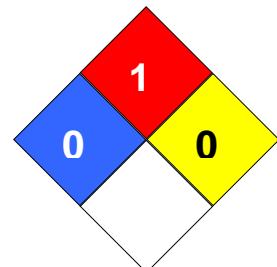
Revision Date 2015-10-27

Notification status

Europe REACH	:	On the inventory, or in compliance with the inventory
United States of America TSCA	:	On TSCA Inventory
Canada DSL	:	All components of this product are on the Canadian DSL.
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 KECL	:	On the inventory, or in compliance with the inventory
Philippines PICCS	:	On the inventory, or in compliance with the inventory
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 SDS Number : 6371

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

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

The information provided in this 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	PEL	Permissible Exposure Limit

Performance Pipe (PE Pipe and Fittings: Various Colors)

Version 1.3

Revision Date 2015-10-27

	Chemicals Association		
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 on Cancer	TLV	Threshold Limit Value
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%		