

Common Name: **COAL TAR PITCH**

Synonyms: Coal Tar Pitch Volatiles; Coal Tar; Pitch

CAS No: 65996-93-2

Molecular Formula: Mixture

RTK Substance No: 0519

Description: Dark brown to black, thick liquid with a strong odor

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
4 - Health 3 - Fire 0 - Reactivity DOT#: UN 1136 ERG Guide #: 128 Hazard Class: 3 (Flammable)	FLAMMABLE LIQUID Use dry chemical, CO ₂ , water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool. Coal Tar Pitch may form an ignitable vapor/air mixture in closed tanks or containers.	Coal Tar Pitch is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE).

SPILL/LEAKS
Isolation Distance:

Spills: 50 meters (150 feet)

Fire: 800 meters (1/2 mile)

Absorb liquids in vermiculite, dry sand, earth, or a similar material and place into sealed containers for disposal.

 Use only non-sparking tools and equipment, especially when opening and closing containers of **Coal Tar Pitch**.

 Keep **Coal Tar Pitch** out of confined spaces, such as sewers, because of the possibility of an explosion.

DO NOT wash into sewer.

Coal Tar Pitch may be hazardous to the environment, especially to aquatic organisms, and may cause long-term effects.

PHYSICAL PROPERTIES

Odor Threshold:	Coal Tar odor
Flash Point:	81° to 405°F (27° to 207°C)
Auto Ignition Temp:	>932°F (500°C)
Vapor Pressure:	<1 mm Hg at 77°F (25°C)
Specific Gravity:	>1.2 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	>482°F (250°C)
Molecular Weight:	Mixture

EXPOSURE LIMITS
OSHA: 0.2 mg/m³, 8-hr TWA (**Coal Tar Pitch volatiles**)

NIOSH: 0.1 mg/m³, 10-hr TWA (**Coal Tar Pitch volatiles**)

ACGIH: 0.2 mg/m³, 8-hr TWA (**Coal Tar Pitch volatiles**)

IDLH: 80 mg/m³ (**Coal Tar Pitch volatiles**)

The Protective Action Criteria values are:

 PAC-1 = 0.6 mg/m³ PAC-2 = 12.5 mg/m³ PAC-3 = 80 mg/m³
PROTECTIVE EQUIPMENT

Gloves:	Silvershield®/4H®, Viton and Barrier® (>8-hr breakthrough for <i>Hydrocarbons</i>)
Coveralls:	Tychem® SL and Responder® (>8-hr breakthrough for <i>Hydrocarbons, Aromatic Polynuclear</i>)
Respirator:	SCBA

HEALTH EFFECTS

Eyes:	Irritation
Skin:	Irritation, rash and burning feeling
Inhalation:	Nose, throat and lung irritation with coughing, wheezing and shortness of breath Headache, dizziness, irritability, fainting and coma
Chronic:	Causes (lung, kidney, and skin) cancer in humans

FIRST AID AND DECONTAMINATION

Remove the person from exposure.
Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.
Quickly remove contaminated clothing and wash contaminated skin with large amounts soap and water.
Begin artificial respiration if breathing has stopped and CPR if necessary.
Transfer promptly to a medical facility.