



# ASTM D-450 Type 1

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday,  
March 26, 2012 / Rules and Regulations

Revision Date: N/A

Date of Issue: 06/29/15

Version: 1.0

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

GHS Product Identifier: Not applicable.

Chemical Name: Not applicable.

CAS No. 65996-93-2

Trade name(s): Viking CTP

Product Code(s): 25011

#### Relevant identified uses of the substance or mixture and uses advised against

Identified use(s): Sealant and Coating

Uses advised against: None.

#### Details of the supplier of the safety data sheet

Company Identification

Viking Products Group, Inc.

8312 East 91<sup>st</sup> Street

Cleveland, OH. 44105

Telephone: (800) 350-2142

Fax: (216) 430-3500

E-Mail (competent person): [info@vikingpg.com](mailto:info@vikingpg.com)

#### Emergency telephone number

Emergency Phone No.: CHEMTREC 24 hr. (800) 424-9300 or +1 (703) 527-3887 (Collect call accepted)

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200): Carc. 1A, Repr. 1B, Muta. 1B, Hazard Not Otherwise Classified (HNOC) - Causes skin irritation in the presence of sunlight / UV rays.

#### Label elements

Hazard Symbol



Signal Word(s): **DANGER**

Hazard statement(s): May cause cancer. (Skin, Lungs, Bladder, Kidneys, Other) May damage fertility or the unborn child. May cause genetic defects. Skin irritation may be aggravated by exposure to sunlight / UV rays.

Precautionary statement(s): Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

Other hazards None known

Additional Information This product contains chemicals known to the State of California to cause cancer.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

Hazardous ingredient(s)	% wt.	CAS No.	Hazard statement(s)
Coal tar pitch, high temp.^	100%	65996-93-2	May cause cancer. (Carc. 1A) May damage fertility or the unborn child. (Repr. 1B) May cause genetic defects. (Muta. 1B) Causes skin irritation in the presence of sunlight / UV rays.

**Additional Information** - Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.: None

#### SECTION 4: FIRST AID MEASURES

##### Description of first aid measures

Inhalation: Move person to fresh air. Keep patient at rest and give oxygen if breathing difficult. Apply artificial respiration if necessary. If symptoms persist, obtain medical attention.

Skin Contact: Wash affected skin with soap and water. Wash contaminated clothing before reuse. If symptoms occur obtain medical attention.

Eye Contact: 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.

Ingestion: Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Call a physician (or poison control centre immediately).

##### Most important symptoms and effects, both acute and delayed

None known

##### Indication of the immediate medical attention and special treatment needed

None known

#### SECTION 5: FIRE-FIGHTING MEASURES

##### Extinguishing media

-Suitable Extinguishing Media: Extinguish with carbon dioxide, dry chemical, foam or waterspray.

-Unsuitable Extinguishing Media: None anticipated.

##### Special hazards arising from the substance or mixture

Combustion causes toxic fumes. Combustion products: Oxides of carbon, Sulphur oxides

##### Advice for fire-fighters

A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Ensure suitable personal protection (including respiratory protection) during removal of spillages. Wear safety or chemical resistant shoes or boots.

##### Environmental precautions

Prevent liquid entering sewers, basements and workpits.

##### Methods and material for containment and cleaning up

Contain spillages with sand, earth or any suitable adsorbent material. Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorized waste disposal contractor.

**Reference to other sections:** None.

**Additional Information:** None.

#### SECTION 7: HANDLING AND STORAGE

##### Precautions for safe handling

Keep container tightly closed.

##### Conditions for safe storage, including any incompatibilities

-Storage Temperature Store at room temperature.

-Incompatible materials Strong oxidising agents.

##### Specific end use(s)

Sealant and Coating

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Control parameters

##### Occupational Exposure Limits

Substance	CAS No.	PEL (OSHA)	TLV (OSHA)
Coal tar pitch, high temp.*	65996-93-2	0.2 mg/m <sup>3</sup>	0.2 mg/m <sup>3</sup>

**Recommended monitoring method** NIOSH 5042 or NIOSH 5023

##### Exposure controls

##### Appropriate engineering controls

Keep container closed when not in use. Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits.

##### Personal protection equipment

Eye/face protection; Wear protective eye glasses for protection against liquid splashes.



Skin protection (Hand protection/ Other); Harmful in contact with skin. Wear suitable protective clothing and gloves. Type: Butyl rubber. Gloves should be changed if excessive exposure has occurred. Check with protective equipment manufacturer's data.



Respiratory protection; In case of inadequate ventilation wear respiratory protection. Use NIOSH approved respiratory protection.



Thermal hazards Use gloves with insulation for thermal protection, when needed.

#### **Environmental Exposure Controls**

Do not discharge waste and/or cleaning water via public sewer system. Ensure waste is collected and contained.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

Appearance Solid @ ambient temperatures

Color: Black

Odor: Coal Tar Pitch

Odor Threshold (ppm): Not available.

pH (Value): Not available.

Melting Point (°C) / Freezing Point (°C): Not available.

Boiling point/boiling range: (°C) 230 - 250 (446 - 482 °F)

Flash Point: (°C) 160 - 190 (320 - 374 °F) c.o.c

Evaporation rate: Not available.

Flammability (solid, gas): Not applicable.

Explosive limit ranges: Not applicable.

Vapour Pressure (Pascal): Not determined.

Vapour Density (Air=1): > 1.0

Density (g/ml): 1.22 - 1.26 (10.2 - 10.5 lbs/gal) @ 25 °C

Solubility (Water): Negligible

Solubility (Other): Not known

Partition Coefficient (n-Octanol/water): Not available.

Auto Ignition Temperature (°C): Not available.

Decomposition Temperature (°C): Not available.

Kinematic Viscosity (cSt) @ 40 °C: Not available

Explosive properties: Not explosive.

Oxidizing properties: Not oxidizing.

## **SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** Stable under normal conditions.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** May react violently with: Strong oxidising agents

**Conditions to avoid:** Heat.

**Incompatible materials:** Oxidizers

**Hazardous Decomposition Product(s):** Combustion causes toxic fumes. Combustion products: Nitrogen oxides, Oxides of carbon, Sulphur oxides

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Information on toxicological effects:**

Coal tar pitch, high temp. (CAS No. 65996-93-2)

Acute toxicity: LD50 (oral): >15000 mg/kg bw; LD50 (dermal): >2000 mg/kg bw

Irritation/Corrosivity: May cause irritation to skin, eyes and respiratory system. Causes skin irritation in the presence of sunlight / UV rays.

Sensitization: Repeated and/or prolonged contact may cause skin sensitisation.

Repeated dose toxicity: NOAEL(oral, 90-days): >200 mg/kg bw

Carcinogenicity: May cause cancer. (Skin, Lungs, Bladder, Kidneys, Other)

**NTP IARC ACGIH OSHA**

NTB	IARC	ACGIH	OSHA
Known human carcinogen	Group 1 Human Carcinogen	A1 Known human carcinogen	No

Mutagenicity: There is evidence of mutagenic potential.

Reproductive toxicity: May damage fertility or the unborn child.

Other information: None known.

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity**

Coal tar pitch, high temp.( CAS No. 65996-93-2)

Short term: LL50 (96 hour): 128 mg/L (*Pagrus major*); EL50 (48 hour): >100 mg/L (*Daphnia magna*; mobility); EL50 (72 hour): 220 mg/L (*Desmodemus subspicatus*)

Long Term: NOEC (42 day): 4 mg/L (*Danio rerio*); LOELR (21 day): >100 mg/L (*Daphnia magna*); EL50 (72 hour): 220 mg/L (*Desmodemus subspicatus*)

**Persistence and degradability:** Evidence exists of biodegradation processes.

**Bioaccumulative potential:** The product has potential for bioaccumulation.

**Mobility in soil:** The substance has low mobility in soil.

**Results of PBT and vPvB assessment:** Not applicable

**Other adverse effects:** None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods:** Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**Additional Information:** None known.

## SECTION 14: TRANSPORT INFORMATION

**Ground or Water Domestic Voyage (DOT)**

**If shipped in 5 gallon pails (18.9L) or less:**

Not Restricted

**If shipped in 200 pound/20 gallon kegs (76L):**

UN3077, Environmentally hazardous substances, solid, n.o.s., (Solid coal tar pitch compounds/contains Benzo[a]pyrene and Benzo[b]fluoranthene), 9, III, RQ

**If shipped in bulk at or above 100°C (212°F):**

UN3257, Elevated temperature liquid, n.o.s., (Coal tar pitch containing Benzo[a]pyrene and Benzo[b]fluoranthene), 9, III, RQ

**Sea transport (IMDG)**

**If shipped in 5 gallon pails (18.9L) or less:**

Not Restricted

**If shipped in 200 pound/20 gallon kegs (76L)/(Packaging exemption DOT-SP 11263):**

UN3077, Environmentally hazardous substances, solid, n.o.s., (Solid coal tar pitch compounds/contains Benzo[a]pyrene and Benzo[b]fluoranthene), 9, III, RQ

**Air transport (ICAO/IATA)**

**If shipped in 5 gallon pails (18.9L) or less:**

Not Restricted

## SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act) - Inventory Status:** All components listed or polymer exempt.

**RCRA Hazardous Waste Number (40 CFR 261.33):** None

**US RCRA Hazard Class:** Not applicable

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):** None

Chemical Name	CAS No.	Typical % wt.	RQ (lbs.)	Quantity (lbs.)	Quantity (gals.)
Benzo(a)pyrene**	50-32-8	1.1-1.3	1	77	8
Benzo(b)fluoranthene**	205-99-2	0.8-0.9	1	111	11
Dibenz(a,h)anthracene**	53-70-3	0.2-0.25	1	400	40
Benz(a)anthracene**	56-55-3	1.2-1.4	10	714	71
Fluoranthene	206-44-0	3-3.5	100	2860	286
Dibenzo(a,i)pyrene	189-55-9	.2-.25	10	4000	400
Chrysene**	218-01-9	1.1-1.4	100	7140	714
Indeno(1,2,3-cd)pyrene**	193-39-5	.82-.99	100	10100	1010
Acenaphthene	83-32-9	.28-.47	100	21300	2130
Naphthalene**	91-20-3	.03-.24	100	41700	4170

**SARA 311/312 - Hazard Categories:**

Chronic (delayed)

**SARA 313 - Toxic Chemicals (40 CFR 372):**

Chemical Name	CAS No.	Typical % wt.
Naphthalene	91-20-3	.03-.24
Phenanthrene	85-01-8	2.6-3.2
Polycyclic Aromatic Compounds (PACs)	Category No. N590	10.4-12.6

**SARA 302 - Extremely Hazardous Substances(40 CFR 355):**

Chemical Name	CAS No.	Typical % wt.	TPQ (lbs.)
Naphthalene	91-20-3	.03-.24	1000/10000

**Proposition 65 (California):** "WARNING: This product contains chemicals known to the State of California to cause cancer."

**SECTION 16: OTHER INFORMATION**

**Additional Information**



The following sections contain revisions or new statements: 1-16.

**Date of preparation:** May 21, 2015

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