

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier	GHS Product Identifier	Not applicable.
	Chemical Name	Not applicable.
	CAS No.	Mixture
	Trade name	LiquidPitch™
	Product Code	PG-0045
1.2 Relevant identified uses of the substance or mixture and uses advised against	Identified use(s)	Roofing
	Uses advised against	None.
1.3 Details of the supplier of the safety data sheet	Company Identification	Durapax LLC 400 Old Reading Pike, ste304 Pottstown, PA 19464
	Telephone	(610) 579-9075
	Fax	(610) 323-0115
	E-Mail (competent person)	info@durapax.com
1.4 Emergency telephone number	Emergency Phone No.	CHEMTREC 24 hr. (800) 424-9300 or

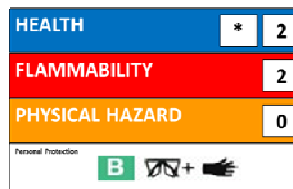
SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	OSHA HCS (29 CFR 1910.1200)	
2.2 Label elements	Not applicable	
	Hazard Symbol	
	Hazard statement(s)	Danger-Carcinogen; Lungs and Skin
	Precautionary statement(s)	Use personal protective equipment as required. IF exposed or concerned: Get medical advice/attention. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Avoid release to the environment.
2.3 Other hazards	Causes irritation to eyes and skin. May cause genetic defects. May damage fertility or the unborn child. Toxic to aquatic life with long lasting effects.	

2.4 Additional Information



NFPA Rating



HMIS (Hazardous Material Information System)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances - Not applicable

3.2 Mixtures

Hazardous ingredient(s)	% wt.	CAS No.	Hazard statement(s)
Coal tar pitch, high temp.^	85%	65996-93-2	Sufficient evidence of carcinogenicity in man.
Solvent naphtha (petroleum), light arom.	15%	64742-95-6	Flammable liquid and vapour. Irritating to skin. Toxic to aquatic life with long lasting effects.

^Contains: Polycyclic Aromatic Compounds (PACs). See Section: 15.

Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.

Pseudocumene (CAS No. 95-63-6)

3.3 Additional Information - None

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation	Move person to fresh air. Apply artificial respiration if necessary. If symptoms occur obtain medical attention.
Skin Contact	Remove soaked clothing immediately and wash affected skin with soap and water. If symptoms occur obtain medical attention.
Eye Contact	If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms occur obtain medical attention.
Ingestion	Gastric Lavage: Only in emergency and with utmost caution. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Call a physician (or poison control centre immediately).

4.2 Most important symptoms and effects, both acute and delayed

None known

4.3 Indication of the immediate medical attention and special treatment needed

None known

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

-Suitable Extinguishing Media	Extinguish with carbon dioxide, dry chemical, foam or waterspray.
-Unsuitable Extinguishing Media	None anticipated.

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- | | |
|--|---|
| 6.1 Personal precautions, protective equipment and emergency procedures | Ensure suitable personal protection (including respiratory protection) during removal of spillages. Wear safety or chemical resistant shoes or boots. |
| 6.2 Environmental precautions | Do not allow to enter drains, sewers or watercourses. |
| 6.3 Methods and material for containment and cleaning up | Eliminate sources of ignition. Ensure adequate ventilation. Stop leak if safe to do so. 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 authorised waste disposal contractor. |
| 6.4 Reference to other sections | None |
| 6.5 Additional Information | None. |

SECTION 7: HANDLING AND STORAGE

- | | |
|---|--|
| 7.1 Precautions for safe handling | Store in a tightly closed container. |
| 7.2 Conditions for safe storage, including any incompatibilities | |
| <ul style="list-style-type: none"> -Storage Temperature -Incompatible materials | <ul style="list-style-type: none"> Store at room temperature. Strong oxidising agents. |
| 7.3 Specific end use(s) | Industrial Coatings |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		STEL		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Coal tar pitch*	65996-93-2	0.2 mg/m ³	0.2 mg/m ³	-----	-----	
Pseudocumene	95-63-6	-----	25 ppm	-----	-----	

*Coal tar pitch volatiles (benzene soluble fraction)

8.1.2 Recommended monitoring method

NIOSH 5042 or NIOSH 5023

8.2 Exposure controls

8.2.1 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.

8.2.2 Personal protection equipment

Eye/face protection



Wear protective eye glasses for protection against liquid splashes.

Skin protection (Hand protection/ Other)



Avoid skin contact. Wear suitable protective clothing and gloves. (Nitrile rubber) Gloves should be changed if excessive exposure has occurred.

Respiratory protection



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

Thermal hazards

Not normally required.

8.2.3 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

9.1 Information on basic physical and chemical properties

Appearance	Viscous liquid
Colour	Black
Odour	Hydrocarbon Solvent
Odour Threshold (ppm)	Not available.
pH (Value)	Not available.
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	>152 (>305 °F)
Flash Point (°C)	40.6 (105 °F) Pensky-Martens [Closed cup]
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not applicable.
Vapour Pressure (Pascal)	Not determined
Vapour Density (Air=1)	Not available.
Density (g/ml)	1.14 -1.18 @ 25° C
Solubility (Water)	Negligible
Solubility (Other)	Not known
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not determined
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	May react violently with: Strong oxidising agents
10.4 Conditions to avoid	Heat.
10.5 Incompatible materials	Oxidizers
10.6 Hazardous Decomposition Product(s)	Combustion causes toxic fumes. Combustion products: Nitrogen oxides, Oxides of carbon, Sulphur oxides

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- 11.1.1 Substances
 - Not applicable
- 11.1.2 Mixtures

Acute toxicity	Not available.
Irritation	Not available.
Corrosivity	Not available.
Sensitisation	Not available.
Repeated dose toxicity	Not available.
Carcinogenicity	Not available.
Mutagenicity	Not available.
Toxicity for reproduction	Not available.

11.1.3 Substances in preparations / mixtures

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

Acute toxicity

- LD50 (rat) > 5000 mg/kg
- Irritation: May cause irritation to skin, eyes and respiratory system.
- Sensitisation: Repeated and/or prolonged contact may cause skin sensitisation.

Carcinogenicity

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

- Dermal: Positive carcinoma and papillomas
- Inhalation: Tumors (Lungs, Bladder, Kidneys, Other)

Solvent naphtha (petroleum), light arom. (CAS No. 64742-95-6)

Acute toxicity

- LD50 (rat) > 5000 mg/kg
- Inhalation (rat) > 5610 mg/m³ 4 hour(s)
- Dermal (rabbit) > 2000 mg/kg
- Irritation (rabbit): Irritating to skin.
- Irritation (rabbit): Non-irritant to rabbit eyes.
- Sensitisation: It is not a skin sensitiser in animal tests.

Repeated dose toxicity

- Oral: NOEL < 500 mg/kg
- Dermal: < 200 mg/kg
- Inhalation: NOAEC = 9840 mg/m³

Carcinogenicity

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

11.2 Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Substances in preparations / mixtures

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

- NOEC >1 g/l (*Daphnia magna*)
- NOEC > 1 g/l (*Chlorella sp.*)

Solvent naphtha (petroleum), light arom. (CAS No. 64742-95-6)

- Short term LL50 = 10 mg/l (Fathead minnow (*Pimephales promelas*)) (96 hour)
- Long Term LL50 = 5.2 mg/l (Fathead minnow (*Pimephales promelas*)) (14 days)
- Short term EL50 = 4.5 mg/l (*Daphnia magna*) (48 hour)
- Long Term NOELR = 2.6 mg/l (*Daphnia magna*) (21 days)
- EL50 = 3.1 mg/l (*Pseudokirchnerella subcapitata*) (72 hour)

12.2 Persistence and degradability

Evidence exists of biodegradation processes.

12.3 Bioaccumulative potential

The product has potential for bioaccumulation.

12.4 Mobility in soil

-Coal tar pitch (CAS No. 65996-93-2)
-Solvent naphtha (petroleum), light arom,
(CAS No. 64742-95-6)

The substance has low mobility in soil.
The product has low mobility in soil.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 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.

13.2 Additional Information

None known.

SECTION 14: TRANSPORT INFORMATION

14.1 Ground or Water Domestic Voyage

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

Not Restricted

If shipped in 55 gallon drums (208L):

UN1999, Tars, liquid, 3, III, (contains Benzo[a]pyrene and Benzo[b]fluoranthene), RQ



If shipped in bulk below its flash point:

UN1999, Tars, liquid, 3, III, (contains Benzo[a]pyrene and Benzo[b]fluoranthene), RQ



If shipped in bulk at or above its flash point:

UN3256, Elevated temperature liquid, flammable, n.o.s., (Tars containing Benzo[a]pyrene and Benzo[b]fluoranthene), 3, III, RQ

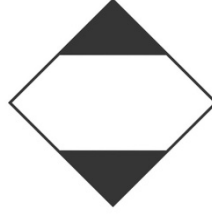


14.2 Sea transport (IMDG)

If shipped in 1.3 gallon cans (5L) or less:

UN1999, Tars, liquid, 3, III, (40.6°C c.c.), Ltd. Qty.

LiquidPitch[™]



If shipped in 5 gallon pails (18.9L):

UN1999, Tars, liquid, 3, III, (40.6°C c.c.)



If shipped in 55 gallon drums (208L):

UN1999, Tars, liquid, 3, III, (40.6°C c.c.), (contains Benzo[a]pyrene and Benzo[b]fluoranthene), RQ



14.3 Air transport (ICAO/IATA)

If shipped in 1.3 gallon cans (5L) or less and net per package 2.6 gallons (10L):

UN1999, Tars, liquid, 3, III, Ltd. Qty.



If shipped in 5 gallon pails (18.9L):

UN1999, Tars, liquid, 3, III



SECTION 15: REGULATORY INFORMATION

15.1 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):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	Qty [^] (Pounds)	Qty [^] (Gallons)
Benzo(a)pyrene**	50-32-8	0.4 - 0.6	1	167	17
Benzo(b)fluoranthene**	205-99-2	0.3 - 0.6	1	167	17
Dibenz(a,h)anthracene**	53-70-3	0.1	1	1,000	100
Benz(a)anthracene**	56-55-3	0.6 - 0.7	10	1,430	143
Fluoranthene	206-44-0	1.3 - 2.0	100	5,000	500
Naphthalene**	91-20-3	0.7 - 1.1	100	9,090	909
Indeno(1,2,3-cd)pyrene**	193-39-5	0.4 - 0.7	100	14,300	1,430
Acenaphthene	83-32-9	0.4 - 0.6	100	16,700	1,670
Chrysene**	218-01-9	0.5 - 0.6	100	16,700	1,670
Dibenzofuran	132-64-9	0.4 - 0.6	100	16,700	1,670
Xylene (mixed isomers)	1330-20-7	0.3	100	30,300	3,030
Biphenyl	92-52-4	0 - 0.2	100	50,000	5,000

[^]Quantity of spill to reach RQ. **See Proposition 65 (California)

SARA 311/312 - Hazard Categories:

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Naphthalene	91-20-3	0.7 - 1.1
Phenanthrene	85-01-8	1.6 - 2.3
Polycyclic Aromatic Compounds (PACs)	Category No. N590	4.1 - 8.2

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

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
Pyrene	129-00-0	0.9 - 1.4	1000 / 10000

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

SECTION 16: OTHER INFORMATION

Additional Information

None

The following sections contain revisions or new statements: None

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