

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

GHS Product Identifier	Not applicable.
Chemical Name	Not applicable.
CAS No.	Mixture
Trade name	Cooper Black No. 775 Coal Tar Epoxy, Part A
Product Code	9075

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

Identified use(s)	Protective Coating
Uses advised against	None.

Details of the supplier of the safety data sheet

Company Identification	Coopers Creek Chemical Corporation 884 River Road West Conshohocken, PA 19428
Telephone	(610) 828-0375
Fax	(610) 828-9720
E-Mail (competent person)	info@cooperscreekchemical.com

Emergency telephone number

Emergency Phone No.	CHEMTREC 24 hr. (800) 424-9300 or +1 (703) 527-3887 (Collect call accepted)
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Flam. Liq. 3, Carc. 1A, Asp. Tox. 1, Skin Irrit. 2, Skin Sens. 1A, Eye Dam. 1, Repr. 1B, Muta. 1B, STOT SE 3, STOT RE 2
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Label elements

Hazard Symbol



DANGER

Signal Word(s)

Hazard statement(s)

Flammable liquid and vapour.
May cause cancer. (Skin, Lungs, Bladder, Kidneys, Other)
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May damage fertility or the unborn child.
May cause genetic defects.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Causes damage to organs through prolonged or repeated exposure: (auditory dysfunction)

Precautionary statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.

Cooper Black No. 775 Coal Tar Epoxy, Part A

Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands and exposed skin after use.

Other hazards

Skin irritation may be aggravated by exposure to sunlight / UV rays. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Additional Information

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Hazardous ingredient(s)	% wt.	CAS No.	Hazard statement(s)
Coal tar pitch, high temp. [^]	35 - 39%	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.
Xylene	13 - 18%	1330-20-7	Flammable liquid and vapour. (Flam. Liq. 3) May be fatal if swallowed and enters airways. (Asp. Tox. 1) Causes skin irritation. (Skin Irrit. 2) Causes eye irritation. (Eye Irrit. 2B) May cause respiratory irritation. (STOT SE 3) May cause drowsiness or dizziness. (STOT SE 3)
Polyamide resin	10 - 12%	68410-23-1	Causes skin irritation. (Skin Irrit. 2) Causes serious eye damage. (Eye Dam. 1) May cause an allergic skin reaction. (Skin Sens. 1A) Toxic to aquatic life. (Aquatic Acute 2) Toxic to aquatic life with long lasting effects. (Aquatic Chronic 2)
Ethylbenzene	4 - 7%	100-41-4	Highly flammable liquid and vapour. (Flam. Liq. 2) May be fatal if swallowed and enters airways. (Asp. Tox. 1) Harmful if inhaled. (Acute Tox. 4) Causes damage to organs through prolonged or repeated exposure: (auditory dysfunction) (STOT RE 2) Toxic to aquatic life. (Aquatic Acute 2) Harmful to aquatic life with long lasting effects. (Aquatic Chronic 3)
n-propoxy propanol	1 - 3%	1569-01-3	Flammable liquid and vapour. (Flam. Liq. 3) Causes eye irritation. (Eye Irrit. 2B)
2,4,6-tris-DMP	1%	90-72-2	Causes severe skin burns and eye damage. (Skin Corr. 1B) Causes serious eye damage. (Eye Dam. 1) May cause an allergic skin reaction. (Skin Sens. 1B) Harmful to aquatic life. (Aquatic Acute 3) Harmful to aquatic life with long lasting effects. (Aquatic Chronic 3)
Soya Lecithin	1 - 3%	8002-43-5	None anticipated.
Talc	22 - 30%	14807-96-6	None anticipated.

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

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

Cooper Black No. 775 Coal Tar Epoxy, Part A

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: Nitrogen oxides, 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

Avoid contact with skin and eyes. Avoid inhalation of vapours.

Environmental precautions

Prevent liquid entering sewers, basements and workpits.

Methods and material for containment and cleaning up

Eliminate sources of ignition. Ensure adequate ventilation. 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.

Reference to other sections

None.

Additional Information

None.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

-Storage Temperature	Store at room temperature.
-Incompatible materials	Strong oxidising agents.

Specific end use(s)

Protective Coating

Cooper Black No. 775 Coal Tar Epoxy, Part A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Xylene	1330-20-7	100 ppm	100 ppm	-----	150 ppm	-----
Ethylbenzene	100-41-4	100 ppm	20 ppm	-----	-----	A3
Coal tar pitch*	65996-93-2	0.2 mg/m3	0.2 mg/m3	-----	-----	-----

A3 - Confirmed Animal Carcinogen (ACGIH); *Coal tar pitch volatiles (benzene soluble fraction)

Recommended monitoring method

NIOSH 5042 or NIOSH 5023, NIOSH 7500, & NIOSH 1501

Exposure controls

Appropriate engineering controls

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)

Avoid skin contact. Wear suitable protective clothing and gloves. 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

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	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):	>138 (> 280° F)
Flash Point (°C)	27.2 (81° F) [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 determined.
Density (g/ml)	1.26 - 1.32 @ 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

< 20.5

Explosive properties

Not explosive.

Oxidising properties

Not oxidising.

Other information

Not available.

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
Known human carcinogen	Group 1 Human Carcinogen	A1 Known human carcinogen	No.

Mutagenicity

There is evidence of mutagenic potential.

Toxicity for reproduction

May damage fertility or the unborn child.

Xylene (CAS No. 1330-20-7)

Acute toxicity

Oral LD50 = 3520 mg/kg (rat)
Dermal LD50 > 5000 mg/kg (rabbit)
Inhalation LC50 = 27.6 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness. May cause respiratory irritation.

Irritation / Corrosivity

Causes eye irritation. Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Sensitisation

It is not a skin sensitiser.

Repeated dose toxicity

Oral NOAEL = 900 mg/kg/day (rat) (90-days)

Inhalation NOAEL ≥ 19,000 ppm (rat)

Carcinogenicity

Not to be expected

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

Mutagenicity

Not to be expected

Toxicity for reproduction

Not to be expected

Other information

Contains: Ethylbenzene (CAS# 100-41-4). A3 - Confirmed Animal Carcinogen (ACGIH)

Ethylbenzene (CAS No. 100-41-4)

Acute toxicity

Oral LD50 (rat): ≈ 3500 mg/kg-bw
Inhalation LC50 (mouse): 17.8 mg/l
Dermal LD50 (rabbit): ≈ 15.4 g/kg-bw



Cooper Black No. 775 Coal Tar Epoxy, Part A

Irritation / Corrosivity
Sensitisation
Repeated dose toxicity

Not to be expected
Not to be expected
Causes damage to organs through prolonged or repeated exposure: (auditory dysfunction)

Carcinogenicity

Not to be expected

NTP	IARC	ACGIH	OSHA
No.	No.	A3 - Confirmed Animal Carcinogen (ACGIH)	No.

Mutagenicity

Not to be expected

Toxicity for reproduction

Not to be expected

n-propoxy propanol (CAS No.1569-01-3)

Acute toxicity

Oral LD50 (rat): 2.83 ml/kg
Inhalation LC50 (rat): > 1725 ppm
Dermal LD50 (rabbit): > 2000 mg/l

Irritation / Corrosivity

Irritating to eyes.

Sensitisation

It is not a skin sensitiser.

Repeated dose toxicity

NOAEC (rat) Inhalation: 300 ppm (98 days)

Carcinogenicity

Not to be expected

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

Mutagenicity

Not to be expected

Toxicity for reproduction

NOEL = 300 mg/kg/d

2,4,6-tris-DMP (CAS No. 90-72-2)

Acute toxicity

Oral LD50 (rat): 2169 mg/kg
Inhalation: No data
Dermal LD50 (rat): > 1 ml/kg

Irritation / Corrosivity

Corrosive to: Skin, Eye

Sensitisation

Sensitizer

Repeated dose toxicity

NOEL (rat) oral: 15 mg/kg (Exposure duration per day)

Carcinogenicity

Not to be expected

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

Mutagenicity

Not to be expected

Toxicity for reproduction

Not to be expected

Polyamide Resin (CAS No. 68410-23-1)

Irritation

Causes serious eye damage.

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Substances in preparations / mixtures

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

Short term

LL50 = 128 mg/L (*Pagrus major*) (96 hour)
EL50 > 100 mg/L (*Daphnia magna*; mobility) (48 hour)
EL50 = 220 mg/L (*Desmodesmus subspicatus*) (72 hour)

Long Term

NOEC = 4 mg/L (*Danio rerio*) (42 day)
LOELR > 100 mg/L (*Daphnia magna*) (21 days)
EL50 = 220 mg/L (*Desmodesmus subspicatus*) (72 hour)



Cooper Black No. 775 Coal Tar Epoxy, Part A

Xylene (CAS No. 1330-20-7) - By analogy with similar materials

Short term	LC50 = 2.6 mg/l (<i>Oncorhynchus mykiss</i>) (96 hour) IC50 = 1 mg/l (<i>Daphnia magna</i>) (24 hour) (24 hour(s)) EC50 = 1.9 mg/l (<i>Pseudokirchnerella subcapitata</i>) (73 hour(s))
Long Term	NOEC > 1.3 mg/l (<i>Oncorhynchus mykiss</i>) (56 days) Other: *Typically contains Ethylbenzene

Ethylbenzene (CAS No. 100-41-4)

Short term	LC50 = 4.2 mg/l (<i>Oncorhynchus mykiss</i>) (96 hour) EC50 = 1.8 - 2.4 mg/l (<i>Daphnia magna</i>) (48 hour) EC50 = 3.6 mg/l (<i>Pseudokirchnerella subcapitata</i>) (96 hour)
Long Term	NOEC = 0.96 mg/l (<i>Ceriodaphnia dubia</i>) (7 day)

2,4,6-tris-DMP (CAS No. 90-72-2)

Short term	LC50 = 180-240 mg/l (<i>Oncorhynchus mykiss</i>) (96 hour) LC50 = 718 mg/l (<i>P. vulgaris</i>) (96 hour) EC50 = 84 mg/l (<i>D. subspicatus</i>) (72 hour)
Long Term	NOEC = 2 mg/l (microorganisms) (28 days)

Polyamide Resin (CAS No. 68410-23-1)

Short term	Algae: EC50 = 4.11 mg/l, NOEC = 1.25 mg/L (<i>P. subcapitata</i>) (72 hour)
Long Term	No data

Persistence and degradability

Evidence exists of biodegradation processes.

Bioaccumulative potential

The product has potential for bioaccumulation.

Mobility in soil

-Coal tar pitch (CAS No. 65996-93-2)	The substance has low mobility in soil.
-Xylene (CAS No. 1330-20-7)	The substance has high mobility in soil.
-Ethylbenzene (CAS No. 100-41-4)	The substance has moderate 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

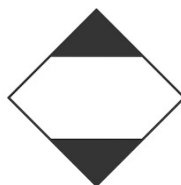
None known.

SECTION 14: TRANSPORT INFORMATION

Ground or Water Domestic Voyage

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

UN1263, Paint, 3, III, Ltd. Qty.



Cooper Black No. 775 Coal Tar Epoxy, Part A

If shipped in 5 gallon pails (18.9L):

UN1263, Paint, 3, III



If shipped in 55 gallon drums (208L):

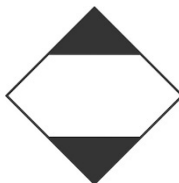
UN1263, Paint, 3, III, (contains Benzo[a]pyrene and Benzo[b]fluoranthene), RQ



Sea transport (IMDG)

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

UN1263, Paint, 3, III, (27.2°C c.c.), Ltd. Qty.



If shipped in 5 gallon pails (18.9L):

UN1263, Paint, 3, III, (27.2°C c.c.)



If shipped in 55 gallon drums (208L):

UN1263, Paint, 3, III, (27.2°C c.c.), (contains Benzo[a]pyrene and Benzo[b]fluoranthene), RQ



Air transport (ICAO/IATA)

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

UN1263, Paint, 3, III, Ltd. Qty.



Cooper Black No. 775 Coal Tar Epoxy, Part A

If shipped in 5 gallon pails (18.9L):

UN1263, Paint, 3, III



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): F003 or U239

US RCRA Hazard Class: Ignitable or Toxic Waste

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 - 0.5	1	200	20
Benzo(b)fluoranthene**	205-99-2	0.3	1	333	33
Xylene (mixed isomers)	1330-20-7	18	100	556	55
Dibenz(a,h)anthracene**	53-70-3	0.7 - 0.1	1	1,000	100
Benzo(a)anthracene**	56-55-3	0.4 - 0.5	10	2,000	200
Fluoranthene	206-44-0	1.1 - 1.3	100	7,690	769
Benzo(rst)pentaphene**	189-55-9	0.07 - 0.1	10	10,000	1,000
Ethylbenzene	100-41-4	7	1000	14,300	1,430
Chrysene**	218-01-9	0.4 - 0.5	100	20,000	2,000
Indeno(1,2,3-cd)pyrene**	193-39-5	0.3 - 0.4	100	25,000	2,500
Acenaphthene	83-32-9	0.1 - 0.2	100	50,000	5,000

^Quantity of spill to reach RQ.

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.
Xylene (mixed isomers)	1330-20-7	18
Ethylbenzene	100-41-4	7
Phenanthrene	85-01-8	1.0 - 1.2
Polycyclic Aromatic Compounds (PACs)	Category No. N590	3.6 - 4.4

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

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
Pyrene	129-00-0	0.9 - 1.0	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



NFPA Rating

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
Personal Protection		
B		

HMIS (Hazardous Material Information System)

The following sections contain revisions or new statements: 2, 3, 11, 12.

Date of preparation: May 27, 2015

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