



# Material Safety Data Sheet

Issuing Date 23-May-2011

Revision Date

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Tarconite Coal Tar Pavement Sealer  
**Product Code(s)** 102  
**Recommended Use** Refer to the Product Data Sheet for Additional Information.

### Supplier Address

Neyra Industries, Inc.  
10700 Evendale Drive  
Cincinnati, Ohio 45241  
TEL: (513) 733-1000

**Company Emergency Phone Number** (513) 733-1000

## 2. HAZARDS IDENTIFICATION

### DANGER!

### Emergency Overview

Irritating to eyes, respiratory system and skin  
May cause central nervous system depression  
Contains a known or suspected carcinogen  
WARNING! This product contains a chemical known in the State of California to cause cancer.

**Appearance** Brown **Physical State** Liquid. **Odor** Slight, Tar like

### Potential Health Effects

**Principle Routes of Exposure** Inhalation. Skin contact. Eye contact.

### Acute Toxicity

#### Eyes

Irritating to eyes.

#### Skin

Irritating to skin. May cause light sensitivity which appears as a skin rash when exposed to sunlight.

#### Inhalation

Irritating to respiratory system. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

#### Ingestion

Ingestion may cause irritation to mucous membranes.

### Chronic Effects

IARC classified coal tar pitch as a Class 1 Human Carcinogen: There is sufficient evidence in humans for the carcinogenicity of occupational exposures during paving and roofing with coal-tar pitch. There is sufficient evidence in experimental animals for the carcinogenicity of coal-tar pitch.

### Aggravated Medical Conditions

Respiratory disorders. Skin disorders. Pre-existing eye disorders. Central nervous system.

### Environmental Hazard

See Section 12 for additional Ecological Information.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Coal tar	8007-45-2	25-35

#### 4. FIRST AID MEASURES

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Call a physician immediately.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
<b>Inhalation</b>	Move victim to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Protection of First-aiders</b>	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

#### 5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable.			
Flash Point	> 200°F / > 93.3°C (Coal Tar)			
Suitable Extinguishing Media	Dry chemical, CO <sub>2</sub> , water spray or regular foam.			
Unsuitable Extinguishing Media	Do not scatter spilled material with high pressure water streams.			
Hazardous Combustion Products	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Nitrogen oxides (NOx).			
Explosion Data				
Sensitivity to Mechanical Impact	None			
Sensitivity to Static Discharge	None			
Specific Hazards Arising from the Chemical	During fire conditions, vapors and decomposition products may be released, forming flammable/explosive mixtures in air.			
Protective Equipment and Precautions for Firefighters	Avoid inhalation of material or combustion by-products. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.			
<u>NFPA</u>	Health Hazard 1	Flammability 2	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 2*	Flammability 2	Physical Hazard 0	Personal Protection X

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes and clothing.
<b>Environmental Precautions</b>	Should not be released into the environment. Prevent entry into waterways, sewers, basements or confined areas. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Dike far ahead of liquid spill for later disposal.
<b>Methods for Cleaning Up</b>	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Wear personal protective equipment. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. To reduce sun sensitivity a sun-blocking lotion (SPF+15) can also be applied prior to application of a protective cream. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.
<b>Storage</b>	Keep containers tightly closed in a cool, well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Do not store in direct sunlight or in temperatures exceeding 120°F (48.9°C).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Coal tar 8007-45-2		TWA: 0.2 mg/m <sup>3</sup> benzene soluble fraction TWA: 150 µg/m <sup>3</sup> (vacated) TWA: 0.2 mg/m <sup>3</sup> benzene soluble fraction	TWA: 0.2 mg/m <sup>3</sup> Benzene soluble fraction

OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. NIOSH IDLH: Immediately Dangerous to Life or Health.

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Personal Protective Equipment

**Eye/Face Protection**  
**Skin and Body Protection**  
**Respiratory Protection**

Tightly fitting safety goggles.  
Impervious butyl rubber gloves to prevent thermal burns. Chemical resistant apron. Boots.  
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Brown.	<b>Odor</b>	Slight, Tar like.
<b>Odor Threshold</b>	No information available.	<b>Physical State</b>	Liquid.
<b>pH</b>	5.0 - 8.0		
<b>Flash Point</b>	> 200°F / > 93.3°C (Coal Tar)	<b>Autoignition Temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.	<b>Boiling Point/Boiling Range</b>	100°C
<b>Melting Point/Range</b>	No information available.		
<b>Flammability Limits in Air</b>	No information available.	<b>Explosion Limits</b>	No information available.
<b>Specific Gravity</b>	1.2	<b>Water Solubility</b>	Partly soluble.
<b>Solubility</b>	No information available.	<b>Evaporation Rate</b>	No information available.
<b>Vapor Pressure</b>	No data available.	<b>Vapor Density</b>	No data available.
<b>EPA VOC (g/l)</b>	49		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible Products</b>	Strong oxidizing agents.
<b>Conditions to Avoid</b>	Do not freeze.
<b>Hazardous Decomposition Products</b>	Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Nitrogen oxides (NO <sub>x</sub> ). Polynuclear aromatic hydrocarbons (PNAs)
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Product Information</b>	No acute toxicity information is available for this product.
----------------------------	--

### Chronic Toxicity

<b>Chronic Toxicity</b>	IARC classified coal tar pitch as a Class 1 Human Carcinogen: There is sufficient evidence in humans for the carcinogenicity of occupational exposures during paving and roofing with coal-tar pitch. There is sufficient evidence in experimental animals for the carcinogenicity of coal-tar pitch.
-------------------------	---

<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.
------------------------	--

Chemical Name	ACGIH	IARC	NTP	OSHA
Coal tar		Group 2A Group 1	Known	X

#### **IARC: (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

#### **NTP: (National Toxicity Program)**

Known - Known Carcinogen

#### **OSHA: (Occupational Safety & Health Administration)**

X - Present

<b>Target Organ Effects</b>	Respiratory system. Central nervous system (CNS).
-----------------------------	---

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

## 13. DISPOSAL CONSIDERATIONS

### **Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

### **Contaminated Packaging**

Do not re-use empty containers.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Coal tar - 8007-45-2		Included in waste stream: K060		

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

## 15. REGULATORY INFORMATION

### **International Inventories**

**TSCA** Complies  
**DSL** Complies

### **Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

### **U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	No

**Sudden Release of Pressure Hazard  
Reactive Hazard**No  
No**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Coal tar		X		

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Coal tar	-		RQ 1 lb final RQ RQ 0.454 kg final RQ

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Coal tar	8007-45-2	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Coal tar	X	X	X	X	X

**International Regulations****Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

D2A Very toxic materials



**16. OTHER INFORMATION**

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 23-May-2011

**Revision Date**

**Revision Note** Initial Release.

**General Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**