

## SAFETY DATA SHEET

Preparation Date: 05/18/2015

Revision date 8/30/2019

Revision Number: G2

### 1. IDENTIFICATION

#### Product identifier

**Product code:** C1290  
**Product Name:** COAL TAR, USP

#### Other means of identification

**Synonyms:** No information available  
**CAS #:** 8007-45-2  
**RTECS #** GF8600000  
**CI#:** Not available

#### Recommended use of the chemical and restrictions on use

**Recommended use:** Medication.  
**Uses advised against** No information available

**Supplier:** Spectrum Chemical Mfg. Corp  
 14422 South San Pedro St.  
 Gardena, CA 90248  
 (310) 516-8000

**Order Online At:** <https://www.spectrumchemical.com>  
**Emergency telephone number** Chemtrec 1-800-424-9300  
**Contact Person:** Tom Tyner (USA - West Coast)  
**Contact Person:** Ibad Tirmiz (USA - East Coast)

### 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Serious eye damage/eye irritation	Category 2B
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3

#### Label elements

##### **Danger**

##### **Hazard statements**

Causes eye irritation  
 May cause respiratory irritation  
 May damage fertility or the unborn child  
 May cause cancer  
 May cause genetic defects



**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

May be harmful if swallowed

**Precautionary Statements - Prevention**

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  
Wash face, hands and any exposed skin thoroughly after handling  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

*IF exposed or concerned: Get medical attention*  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents and container to an approved waste disposal plant in accordance with local, regional, national and international regulations as applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS No	Weight-%
Coal Tar	8007-45-2	100

**4. FIRST AID MEASURES**

**First aid measures**

**General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

**Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

**Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention.

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

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

**Symptoms** Causes eye irritation  
Mild eye irritation  
Redness and burning sensation on skin  
Skin rash  
May cause irritation of respiratory tract  
Coughing and wheezing  
Fainting  
Hoarseness of the voice  
Nosebleeds  
Vapor can cause headache, fatigue, dizziness, poor appetite, and irritability and mood changes

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician:** Treat symptomatically.

**Protection of first-aiders**

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media:** Dry chemical. Carbon dioxide (CO2). Water spray. Foam.

**Unsuitable Extinguishing Media:** Do not use a solid (straight) water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

**Hazardous combustion products** No information available.

**Specific hazards** May be combustible at high temperatures. When heated to decomposition it emits acrid smoke and irritating fumes. May be ignited by heat, sparks or flames. On ignition it burns with reddish, luminous, and very sooty flame.

**Special Protective Actions for Firefighters**

**Specific Methods:** No information available

**Special Protective Equipment for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions:** Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth).

**Methods for cleaning up** Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. All equipment used when handling the product must be grounded. Keep away from incompatible materials. Remove all sources of ignition.

#### **Safe Handling Advice:**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

#### **Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

#### **Incompatible Materials:**

Oxidizing agents  
Acids

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **National occupational exposure limits**

##### **United States**

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
Coal Tar	8007-45-2	None	None	None	None

##### **Canada**

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Coal Tar	8007-45-2	None	None	None	None

##### **Australia and Mexico**

Component	CAS No	Australia	Mexico
Coal Tar	8007-45-2	None	None

### Appropriate engineering controls

#### Engineering measures to reduce exposure:

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

### Individual protection measures, such as personal protective equipment

#### Personal Protective Equipment

<b>Eye protection:</b>	Goggles
<b>Skin and body protection:</b>	Long sleeved clothing Chemical resistant apron Gloves
<b>Respiratory protection:</b>	Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Liquid	<b>Appearance:</b> Viscous.	<b>Color:</b> Black.
<b>Odor:</b> Coal tar. Naphthalene-like.	<b>Taste</b> Sharp. Burning.	<b>Formula</b> No information available
<b>Molecular/Formula weight (g/mole):</b> No information available	<b>Flammability (solid, gas)</b> no data available	<b>Flashpoint (°C/°F):</b> 96°C/ 204.8°F
<b>Flash Point Tested according to:</b> Closed cup	<b>Autoignition Temperature (°C/°F):</b> No information available	<b>Lower Explosion Limit (%):</b> No information available
<b>Upper Explosion Limit (%):</b> No information available	<b>Melting point/range(°C/°F):</b> 95-118°C/ 203-244°F	<b>Decomposition temperature(°C/°F):</b> No information available
<b>Boiling point/range(°C/°F):</b> > 150°C/ > 302°F	<b>Bulk density:</b> No information available	<b>Density (g/cm3):</b> No information available
<b>Specific gravity:</b> 1.2	<b>pH</b> No information available	<b>Vapor pressure @ 20°C (kPa):</b> 0.67
<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> >1	<b>VOC content (g/L):</b> No information available
<b>Odor threshold (ppm):</b> No information available	<b>Partition coefficient (n-octanol/water):</b> No information available	<b>Viscosity:</b> No information available
<b>Miscibility:</b> No information available	<b>Solubility:</b> Insoluble in water	

Partially soluble in methanol  
Partially soluble in diethyl ether  
Partially soluble in acetone  
Soluble in Benzene  
Soluble in Nitrobenzene  
Partly dissolves in alcohol, chloroform,  
carbon disulfide, petroleum ether,  
sodium hydroxide solution, hexane

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactive with acids

Reacts violently with strong oxidizers such as liquid chlorine, sodium or potassium hypochlorite, nitric acid, and peroxides

### Chemical stability

**Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Ignition sources. Incompatible materials.

**Incompatible Materials:** Oxidizing agents  
Acids

**Hazardous decomposition products:** No information available.

### Other Information

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Principal Routes of Exposure:**

Inhalation. Ingestion.

### Acute Toxicity

#### **Component Information**

Coal Tar

CAS No 8007-45-2

**LD50/oral/rat** = 1700 mg/kg Oral LD50 Rat

**LD50/oral/mouse** = No information available

**LD50/dermal/rabbit** = > 7950 mg/kg (RTECS)

15800 mg/kg (LOLI)

**LD50/dermal/rat** = No information available

**LC50/inhalation/rat** = No information available

**LC50/inhalation/mouse** = No information available

**Other LD50 or LC50 information** = No information available

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**LD50/oral/rat =**  
**Value - Acute Toxicity = 1700 mg/kg**

**LD50/oral/mouse =**  
**Value - Acute Tox = No information available**

**LD50/dermal/rabbit**  
**Value - Acute Toxicity = > 7950 mg/kg**

**LD50/dermal/rat**  
**VALUE - Acute Tox = No information available**

**LC50/inhalation/rat**  
**VALUE-Vapor = No information available**  
**VALUE-Gas = No information available**  
**VALUE-Dust/Mist = No information available**

**LC50/Inhalation/mouse**  
**VALUE-Vapor = No information available**  
**VALUE - Gas = No information available**  
**VALUE - Dust/Mist = No information available**

### Symptoms

**Skin Contact:** May cause skin irritation. Mild skin irritation. The irritation, itching, rash, and mild stinging (burning) sensation can get aggravated by sunlight. It is a phototoxic substance that, in presence of ultraviolet light (sunlight) can cause a skin reaction similar to an exaggerated sunburn, frequently causing blisters. May cause staining of the skin/hair, especially in people with blonde, bleached, dyed, or gray hair.

**Eye Contact:** Causes eye irritation. Mild eye irritation.

**Inhalation** Inhalation of mist or vapor irritates the respiratory tract (nose, throat, lung irritation). Symptoms may include coughing, sneezing, wheezing and/ or shortness of breath, hoarseness, and nosebleeds. Exposure to coal tar pitch can also cause headache, fatigue, dizziness, irritability, and mood changes, and poor appetite. Higher levels may cause fainting and even coma.

**Ingestion** Ingestion can cause severe gastrointestinal tract irritation with abdominal tenderness, anorexia, nausea, vomiting. It may also affect behavior/central nervous system and cause weakness, central nervous system depression and may affect the liver and kidneys. Aspiration can cause lung inflammation and damage.

**Aspiration hazard** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Chronic Toxicity** Skin: Prolonged or repeated exposure to coal tar may cause irritation and dermatitis (including acne), chronic tar dermatosis, melanosis, or photosensitization dermatitis. Long-term exposure to coal tar can cause thickening of skin, changes in skin pigmentation (patchy or generalized hyperpigmentation), growths on skin (e.g. tar or pitch warts), folliculitis, or skin cancer. Eyes: Prolonged or repeated exposure may cause brown staining in the eyes. Inhalation: Prolonged or repeated inhalation may contribute to pneumonitis, and pulmonary vessel thrombosis. It may also affect the blood (decreased red blood cell counts, hemoglobin concentration, white blood cells and increases reticulocytes).

Inhalation of coal tar aerosols has caused livercancer in rats and liver and lung changes in rats and hamsters. Studies using multiple species exposed to coal tar aerosols reported tumors of the skin, lung, liver, kidney and spleen.Prolonged or repeated ingestion may affect the liver (damage to liver cells).

**Sensitization:** No information available.

**Mutagenic Effects:** May affect genetic material  
Mutagenic effects in mammalian somatic cells  
Experiments with bacteria and/or yeast have shown mutagenic effects

**Carcinogenic effects:** May cause cancer.

Component	CAS No	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Coal Tar	8007-45-2	Group 1 - Carcinogenic to humans - Supplement 7 [1987] see coal-tar distillation RR-56753-3 in Monograph 100F Monograph 35 [1985]	Not listed	Known Human Carcinogen Coal tars and coal tar pitches	Present	Not listed	Not listed

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*IARC (International Agency for Research on Cancer)*

*NTP (National Toxicology Program)*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

**Reproductive toxicity** May damage fertility or the unborn child

**Reproductive Effects:** No information available  
**Developmental Effects:** No information available  
**Teratogenic Effects:** No information available

**Specific Target Organ Toxicity**

**STOT - single exposure** respiratory system.  
**STOT - repeated exposure** No information available.  
**Target Organs:** Lungs. Skin. Eyes.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ecotoxicity effects:** No data available.

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.



Mobility in soil No information available  
Other adverse effects No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

##### Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

##### Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Component	CAS No	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Coal Tar	8007-45-2	None	None	None	None

### 14. TRANSPORT INFORMATION

#### DOT

UN-No: Not Regulated  
Proper Shipping Name: No information available  
Hazard Class No information available  
Subsidiary Class No information available  
Packing group: No information available  
Emergency Response Guide Number No information available  
Marine Pollutant No data available  
DOT RQ (lbs): No information available  
Special Provisions No Information available  
Symbol(s): No information available  
Description: No information available

#### TDG (Canada)

UN-No: Not Regulated  
Proper Shipping Name: No information available  
Hazard Class No information available  
Subsidiary Risk: No information available  
Packing Group: No information available  
Marine Pollutant No Information available  
Description: No information available

#### ADR

UN Number Not regulated  
Proper Shipping Name: No information available  
Transport hazard class(es) No information available  
Packing group No information available  
Subsidiary Risk: No information available

#### IMDG

UN-No: Not Regulated  
Proper Shipping Name: No information available  
Hazard Class: No information available  
Subsidiary Risk: No information available  
Packing Group: No information available  
Marine Pollutant No information available

**RID**

**UN Number** Not Regulated  
**Proper Shipping Name:** No information available  
**Transport hazard class(es)** No information available  
**Subsidiary Risk:** No information available  
**Packing group** No information available

**ICAO (air)**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available

**IATA**

**UN Number** Not Regulated  
**Proper Shipping Name:** No information available  
**Transport hazard class(es)** No information available  
**Subsidiary Risk:** No information available  
**Packing group** No information available  
**Precautionary Statements - Response** No information available  
**Special Provisions** No information available

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia (AICS)	EINECS-No.
Coal Tar	8007-45-2	PresentACTIVE	Present KE-06058	Present	Present (9)-1741	Present	Present	Present 232-361-7

**U.S. Regulations***Coal Tar*

**Massachusetts RTK:** Present  
**New Jersey RTK Hazardous Substance List:** sn 4005  
**New Jersey - Discharge Prevention - List of Hazardous Substances:** Present (coke oven emissions)  
**Pennsylvania RTK:** Environmental hazard  
 Special hazardous substance  
**Pennsylvania RTK - Environmental Hazard List** Present  
**Pennsylvania RTK - Special Hazardous Substances** Present  
**Minnesota - Hazardous Substance List:** Present  
**New York Release Reporting - List of Hazardous Substances:**  
 1 lb RQ

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.****Chemicals Known to the State of California to Cause Cancer:**

 **WARNING:** This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause cancer. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

**Chemicals Known to the State of California to Cause Reproductive Toxicity:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Component	CAS No	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Coal Tar	8007-45-2	Carcinogen (listed as "coke oven	Not Listed	Not Listed	Not Listed

		emissions")			
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### CERCLA/SARA

Component	CAS No	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Coal Tar	8007-45-2	1 lb. final RQ; 0.454 kg final RQ (coke oven emissions)	None	None	None	None

### U.S. TSCA

Component	CAS No	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Coal Tar	8007-45-2	76 FR 65579, Oct 21, 2011 proposed rule	Not Applicable

### Canada

#### WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

The WHMIS 2015 classification of this product has not been validated or reviewed yet.

**Canada Hazardous Products Regulation** This product has not been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

### DSL/NDSL

Component	CAS No	Canada (DSL)	Canada (NDSL)
Coal Tar	8007-45-2	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
Coal Tar	8007-45-2	Not listed
Component	CAS No	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Coal Tar	8007-45-2	Not listed

### EU Classification

#### EU GHS - SV - CLP 1272/2008

Component	CAS No	EU GHS - SV - CLP (1272/2008)
Coal Tar	8007-45-2	Carcinogenicity - Carc. 1A: H350 May cause cancer.648-081-00-7

#### EU - CLP (1272/2008)

#### R-phrase(s)

R45 - May cause cancer

#### S -phrase(s)

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S53 - Avoid exposure - obtain special instructions before use

Component	CAS No	Classification	Concentration Limits:	Safety Phrases
Coal Tar	8007-45-2	Carc.Cat.1; R45	No information	S: 53-45

The product is classified in accordance with Annex VI to Directive 67/548/EEC

**Indication of danger:**

Xn - Harmful

**16. OTHER INFORMATION**

**Preparation Date:** 05/18/2015  
**Revision date** 8/30/2019  
**Prepared by:** Sonia Owen

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**