



SAFETY DATA SHEET

CT-400 "JET TOP" FUEL-RESISTANT PAVEMENT SEALER

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled):	CT-400 "JET TOP" FUEL-RESISTANT PAVEMENT SEALER
Synonyms:	None
CAS No:	Mixture
1.2 Product Use:	JET TOP is a pre-mixed mineral colloid-type, clay-stabilized coal tar pitch emulsion engineered with high solids content to provide superior resistance to non-aromatic petroleum fuels and aliphatic solvents such as are found at airfields, truck depots, loading facilities, parking lots, service stations, fast food restaurants and garages.
1.3 Company Name:	Western Colloid
Company Address:	654 E. 60 th Street
Company Address Cont:	Los Angeles, CA 90001
Business Phone:	1-800-464-8292
Website:	www.westerncolloid.com
1.4 Emergency Telephone Number:	1-323-231-8292
Date of Current Revision:	October 30, 2017
Date of Last Revision:	November 30, 2002

SECTION 2 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is a black viscous liquid with a light "creosote" odor.

Health Hazards: May cause skin and eye irritation. Contains components that may cause cancer, reproductive, and germ cell mutagen hazard.

Flammability Hazards: This product is nonflammable.

Reactivity Hazards: None.

Environmental Hazards: The environmental effects of this product have not been investigated, however release may cause long term adverse environmental effects.

US DOT Symbols: See Section 14

EU and GHS Symbols:



Signal Word:

Danger!

2.1 EU Labeling and Classification:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:

Index Number:

EC# 266-028-2 is listed in Annex VI Index# 648-055-00-5
EC# 200-280-6 is listed in Annex VI Index# 601-033-00-9
EC# 205-911-9 is listed in Annex VI Index# 601-034-00-4
EC# 200-028-5 is listed in Annex VI Index# 601-032-00-3
EC# 200-181-8 is listed in Annex VI Index# 601-041-00-2
EC# 205-893-2 is not listed in Annex VI
EC# 205-916-6 is listed in Annex VI Index# 601-036-00-5
EC# 205-910-3 is listed in Annex VI Index# 601-035-00-X

Substances not listed either individually or in group entries must be self-classified.

Components Contributing to Classification: All Components in Section 3

2.2 Label Elements:

GHS Hazard Classifications: Germ Cell Mutagenicity Category 1
Carcinogenicity Category 1
Reproductive Toxicity Category 1
H340: May cause genetic defects
H350: May cause cancer
H360: May damage fertility or the unborn child

Hazard Statements:

Precautionary Statements:

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P405: Store locked up.
 P501: Dispose of contents/container in accordance with local/regional/national/international regulations

Response Statements:

Storage Statements:

Disposal Statements:

2.3 Other Hazards:

None Applicable

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS No.	EINECS No.	Hazard Classification
Coal Tar Pitch*	<30%	65996-93-2	266-028-2	H340: Germ Cell Mutagen Cat 1B, H350: Carcinogenicity Cat 1, H360FD: Reproductive Toxicity Cat 1B
Benzo(a)anthracene	<0.4%	56-55-3	200-280-6	H350: Carcinogenicity Cat 1
Benzo(b)fluoranthene	<0.4%	205-99-2	205-911-9	H350: Carcinogenicity Cat 1
Benzo(k)fluoranthene	<0.4%	207-08-9	205-916-6	H350: Carcinogenicity Cat 1
Benzo(j)fluoranthene	<0.22%	205-82-3	205-910-3	H350: Carcinogenicity Cat 1
Benzo(a)pyrene	<0.4%	50-32-8	200-028-5	H317: Skin Sensitization Cat 1, H340: Germ Cell Mutagen Cat 1B, H350: Carcinogenicity Cat 1, H360FD: Reproductive Toxicity Cat 1B
Dibenzo(a,h)anthracene	<0.22%	53-70-3	200-181-8	H350: Carcinogenicity Cat 1
Indeno(1,2,3-cd)pyrene	<0.22%	193-39-5	205-893-2	H351: Carcinogenicity Cat 2

* Mixture of organic compounds, primarily 3 to 40 ringed polynuclear aromatic hydrocarbons. Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

SECTION 4 - FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye Contact:

If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.

Skin Contact:

Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

Inhalation:

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

Ingestion:

If product is swallowed, call physician or poison center immediately. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

Medical Conditions Generally Aggravated by Exposure:

Pre-existing skin or eye problems may be aggravated by prolonged contact.

4.2 Symptoms and Effects Both Acute and Delayed:

Exposure to skin, eyes and respiratory system may cause irritation.

4.3 Recommendations to Physicians:

Treat symptoms and eliminate overexposure.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Fire Extinguishing Materials:

Use the following fire extinguishing materials:

Water Spray: Yes
Foam: Yes
Halon: Yes

Carbon Dioxide: Yes
Dry Chemical: Yes
Other: Any "C" Class

5.2 Unusual Fire and Explosion Hazards:

Explosive Sensitivity to Mechanical Impact:

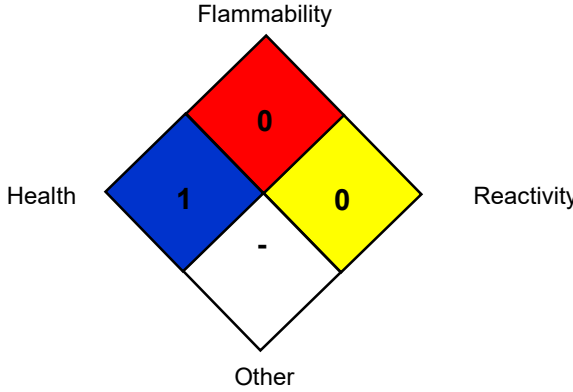


No

Explosive Sensitivity to Static Discharge:

No

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

5.3 Special Fire-Fighting Procedures:

NFPA RATING SYSTEM		HMIS RATING SYSTEM HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
		HEALTH HAZARD (BLUE)		1	
		FLAMMABILITY HAZARD (RED)		0	
		PHYSICAL HAZARD (YELLOW)		0	
PROTECTIVE EQUIPMENT					
EYES	RESPIRATORY	HANDS	BODY		
	See Sect 8		See Sect 8		
For Routine Industrial Use and Handling Applications					
Hazard Scale: 0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard					

SECTION 6 - ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:

Small Spills:

- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.
- Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material.

Large Spills:

- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Do not handle or store near heat, sparks, or flame.

7.2 Storage and Handling Practices:

Keep away from incompatible materials. Keep container closed when not in use and store in well ventilated area.

7.3 Specific Uses:

JET TOP is a pre-mixed mineral colloid-type, clay-stabilized coal tar pitch emulsion engineered with high solids content to provide superior resistance to non-aromatic petroleum fuels and aliphatic solvents such as are found at airfields, truck depots, loading facilities, parking lots, service stations, fast food restaurants and garages.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**8.1 Exposure Parameters:**

<u>Ingredients</u>	<u>CAS No.</u>	<u>OSHA PEL</u>	<u>NIOSH PEL</u>
Coal Tar Pitch	65996-93-2	0.2 mg/m ³	0.2 mg/m ³

8.2 Exposure Controls:**Ventilation and Engineering Controls:**

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:

Not required for properly ventilated areas.

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Eye Protection:

Safety glasses or goggles are recommended.

If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

Hand Protection:

Chemical resistant gloves are recommended to prevent skin contact.

If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

Body Protection:

Use body protect appropriate to task being performed.

If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on Basic Physical and Chemical Properties:**

Appearance (Physical State and Color): Black viscous liquid

Odor: Light "creosote" odor

Odor Threshold: No data available

pH: No data available

Melting/Freezing Point: No data available

Boiling Point: 212°F

Flash Point: No data available

Evaporation Rate: Slower than either

Flammability (Solid; Gas): No data available

Upper/Lower Flammability or Explosion Limits: Not applicable

Vapor Pressure (mm Hg @ 20°C (68° F): 17

Vapor Density: Heavier than air

Relative Density: No data available

Specific Gravity: 1.32

Solubility in Water: Dissolves in water

Weight per Gallon: No data available

Partition Coefficient (n-octanol/water): No data available

Auto-Ignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available

9.2 Other Information:

VOC: Under 250 Gram/Liter

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity: This product is not reactive.
10.2 Stability: Stable under conditions of normal storage and use.
10.3 Possibility of Hazardous Reactions: Will not occur.
10.4 Conditions to Avoid: Freezing.
10.5 Incompatible Substances: Minerals that react with water.
10.6 Hazardous Decomposition Products: Thermal decomposition or burning may produce Carbon Monoxide and Carbon Dioxide

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Toxicity Data: No specific data available on this product.

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion / irritation	Based on available data, the classification criteria are not met
Serious eye damage / irritation	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Germ Cell Mutagenicity Category 1
Carcinogenicity	Carcinogenicity Category 1
Reproductive toxicity	Reproductive Toxicity Category 1
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

11.2 Route of Exposure:

Symptoms of Overexposure by Route of Exposure:

The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

Acute:

- Inhalation: No data available.
- Skin Contact: Skin contact may cause irritation.
- Eye Contact: Contact with eyes may cause irritation.
- Ingestion: Ingestion of this product may cause irritation.

Chronic: Germ Cell Mutagen, Cancer, and Reproductive hazard.

Target Organs:

- Acute: Eyes, Skin
- Chronic: Skin, Kidney, Bladder, Scrotum and Lung

Suspected Cancer Agent:

Ingredients within this product are found on one or more of the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are considered to be cancer-causing agents by these agencies.

Irritancy:

This product may be an irritant.

Sensitization to the Product:

This product is not expected to cause skin sensitization.

Germ Cell Mutagenicity:

This product does contain ingredients that are suspected to be a germ cell mutagenic.

Reproductive Toxicity:

This product does contain ingredients that are suspected to be a human reproductive toxicant.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity:

No specific data available on this product.

12.2 Persistence and Degradability:

No specific data available on this product.

12.3 Bioaccumulative Potential:

No specific data available on this product.

12.4 Mobility in Soil:

No specific data available on this product.

12.5 Results of PBT and vPvB Assessment:

No specific data available on this product.

12.6 Other Adverse Effects:

No data available

12.7 Water Endangerment Class:

At present, there are no ecotoxicological assessments for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods:**

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member States and Japan.

13.2 EU Waste Code:

Not determined

SECTION 14 - TRANSPORTATION INFORMATION**14.1 U.S. Department of Transportation (DOT) Shipping Regulations (BULK):***This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.*

UN Identification Number:	UN3082
Proper Shipping Name:	Environmentally hazardous substance, Liquid, n.o.s. (Coal tar pitch)
Hazard Class Number and Description:	9
Packing Group:	III
DOT Label(s) Required:	Miscellaneous - Class 9
North American Emergency Response Guidebook Number:	171

14.2 Environmental Hazards:**Marine Pollutant:**

The components of this product are designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.3 Special Precaution for User:

None

14.4 International Air Transport Association Shipping Information (IATA):

This product is considered as dangerous goods.

14.5 International Maritime Organization Shipping Information (IMO):

This product is considered as dangerous goods.

SECTION 15 - REGULATORY INFORMATION**15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:****United States Regulations:****U.S. SARA Reporting Requirements:**

The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA 311/312:

Acute Health: No; Chronic Health: Yes; Fire: No; Reactivity: No

U.S. CERCLA Reportable Quantity:**Reportable Quantity (RQ):**

Benzo(a)anthracene 56-55-3	10
Benzo(b)fluoranthene 205-99-2	1
Benzo(k)fluoranthene 207-08-9	5000
Benzo(a)pyrene 50-32-8	1
Indeno(1,2,3-cd)pyrene 193-39-5	100

U.S. TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):**WARNING!** This product does contain ingredients, including Benzo(a)anthracene, which are known to the State of California to cause cancer.

15.2 Canadian Regulations:**Canadian DSL/NDSL Inventory Status:**

Components are DSL Listed, NDSL Listed and/or are exempt from listing

Other Canadian Regulations:

Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

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

Canadian WHMIS Classification and Symbols:

This product is classified per WHMIS Controlled Product Regulations.

15.3 European Economic Community Information:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product:

Components of this product are listed on the International Chemical Inventory list.

15.5 Japanese Information for Product:

JAPAN INDUSTRIAL SAFETY AND HEALTH LAW: This product has been classified per the Japan Industrial Safety and Health Law. See Section 2 for the GHS Classification.

15.6 International Chemical Inventories:

Listing of the components on individual country Chemical Inventories is as follows:

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

SECTION 16 - ADDITIONAL INFORMATION

Prepared By: Chris Eigbrett (MSDS to GHS Compliance)

Date of Printing: October 30, 2017

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. Western Colloid assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Western Colloid assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

END OF SDS SHEET