

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name	Creosote 1% in PG, Natural
Product Number	N/A
CAS-No.	8021-39-4/57-55-6

1.2 Product Recommended Use

Flavorings

1.3 Preparation Information

Company	Aurochemicals 7 Nicoll Street Washingtonville, NY 10992- USA
---------	--

Telephone	845-496-6065
Fax	845-496-6248

1.4 Emergency Telephone Number

1-800-535-5053
International - 1-352-323-3500 collect

Section 2: HAZARD(s) IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 3), H301
 Acute toxicity, Dermal (Category 3), H311
 Skin corrosion (Category 1A), H314
 Serious eye damage (Category 1), H318
 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
 Specific target organ toxicity - repeated exposure (Category 2), H373
 For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement	Danger	
Hazard Statement(s)	H301+H311	Toxic if swallowed or in contact with skin
	H314	Causes severe skin burns and eye damage.
	H332	Harmful if inhaled
	H335	May cause respiratory irritation.

Precautionary Statement(s)	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and

P260	understood. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P261	Keep container tightly closed.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection
P301+P310+P330	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
P301+P310+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340+P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P305+P351+P338+P310	Immediately call a POISON CENTER/doctor. IF exposed or concerned: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P308+P313	Store in a well-ventilated place. Keep container tightly closed.
P362	Store in a well-ventilated place. Keep cool.
P370+P378	Dispose of contents/container to an approved waste disposal plant
P403 +P233	
P403 +P235	
P501	

- 2.3 HNOC (Hazards not otherwise classified or not covered by GHS) Vesicant. Rapidly absorbed through skin.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances	Mixture
Synonym	Wood Tar Creosote
Formula	N/A
Molecular Weight	N/A
CAS-No	8021-39-4/57-55-6

Hazardous Components

Component	Classification	Concentration
Cresol		
CAS-No. 1319-77-3 EC-No. 215-293-2 Index-No. 604-004-00-9	Flam. Liq. 4; Acute Tox. 3; Skin Corr. 1B; 2; Eye Dam. 1; H227, H301+H311, H314, H318	>=30 - <50 %
Guaiacol		
CAS-No. 90-05-1 EC-No. 201-964-7 Index-No. 604-031-00-6	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; Aquatic Acute 3; H302, H315, H319, H402	>=30 - <50 %
2-Methoxy-p-cresol		

CAS-No. 93-51-6 EC-No. 202-252-9	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H302, H315, H319, H335	>=30 - <50 %
Phenol		
CAS-No. 108-95-2 EC-No. 203-632-7 Index-No. 604-001-00-2	Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Muta. 2; STOT RE 2; Aquatic Acute 3; Aquatic Chronic 2; H301+H311+H331, H314, H318, H341, H373, H402, H411	>=10 - <20 %
Xylenol		
CAS-No. 1300-71-6 EC-No. 215-089-3 Index-No. 604-006-00-x	Acute Tox. 3; Skin Corr. 1A; Eye Dam. 1; Aquatic Acute 2; Aquatic Chronic 2; H301+H311, H314, H318+H411	>=10 - <20 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
Ingestion	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Clothing contamination:	Remove contaminated clothing and wash before reuse.

4.2 Most important symptoms and effects both acute and delayed

See section 2.2 and or section 11

4.3 Indication of any immediate medical attention and special treatment needed.

No data available

Section 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for fire fighters

Wear self contained breathing apparatus for firefighting if necessary.

5.4 Further information Use water spray to cool unopened containers.

Section 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.
- 6.2 **Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
- 6.3 **Methods and materials for containment and clean up** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).
- 6.4 **Reference to other sections**
For disposal see section 13.

Section 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
For precautions see section 2.2.
- 7.2 **Conditions for Safe storage** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Handle and store under inert gas. Air, light, and moisture sensitive.
- 7.3 **Specific End use(s)** Flavorings

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Cresol	1319-77-3	TWA	5.000000 ppm 22.000000 mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	Remarks	Skin designation The value in mg/m ³ is approximate		
		TWA	5.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
		Eye, skin, & Upper Respiratory Tract irritation Adopted values or notations enclosed are those for which changes are proposed in the NIC 2010 Revision or addition to the notice of intended changes. See Notice of Intended Changes (NIC) Danger of cutaneous absorption		
		TWA	20.000000 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
		Upper Respiratory Tract irritation Not classifiable as a human carcinogen Danger of cutaneous absorption		
		TWA 5 ppm	22 mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

Safety Data Sheet

		Skin designation			
		The value in mg/m ³ is approximate.			
		TWA	20 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)	
		Upper Respiratory Tract irritation Not classifiable as a human carcinogen Danger of cutaneous absorption			
		PEL	5 ppm 22 mg/m ³	California permissible exposure limits for chemical contaminants (Title 8, Article 107)	
Phenol	108-95-2	TWA	5.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)	
		Central Nervous System impairment; Upper Respiratory Tract irritation Lung damage Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Not classifiable as a human carcinogen; Danger of cutaneous absorption			
		TWA	5.000000 ppm 19.000000 mg/m ³	USA. NIOSH Recommended Exposure Limits	
		Potential for dermal absorption			
		C	15.600000 ppm 60.000000 mg/m ³	USA. NIOSH Recommended Exposure Limits	
		Potential for dermal absorption 15 minute ceiling value			
		TWA	5.000000 ppm 19.000000 mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants	
		Skin designation The value in mg/m ³ is approximate			
		PEL	15 ppm 19 mg/m ³	California permissible exposure limits for chemical contaminants (Title 8, Article 107)	
		Skin			
Hazardous components without workplace control parameters					
Biological occupational exposure limits					
Component	CAS-No.	Parameters	Value	Biological specimen	Basis
Phenol	108-95-2	Phenol	250mg/g Creatinine	Urine	ACGIH - Biological Exposure Indices (BEI)
	Remarks	End of shift (As soon as possible after exposure ceases)			

8.2 Exposure Controls

Appropriate Engineering Controls

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.

Personal protective equipment

These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situations of anticipated use by our customers. They should not be construed as offering an approval or any specific use scenario.

Eye/face protection	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Splash contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 56 min Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Body protection	Impervious clothing, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a	Appearance	Colorless to yellow liquid
b	Odor	Smoky
c	Odor Threshold	No data available
d	pH	No data available
e	Melting Point /Freezing Point	N/A
f	Initial boiling point and boiling range	187°C
g	Flash Point	106°C closed cup
h	Evaporation Rate	No data available
i	Flammability (Solid, Gas)	No data available

j	Upper/lower Flammability Limit	No data available
k	Vapor pressure	No data available
l	Vapor density	No data available
m	Relative density @25°C	1.030-1.050
n	Solubility	Soluble in water, alcohol, and oils
o	Partition coefficient: n-octanol/water	No data available
p	Auto-ignition Temp.	No data available
q	Decomposition Temp,	No data available
r	Viscosity	No data available
s	Explosive properties	No data available
t	Oxidizing properties	No data available
9.2	Other Safety Information	No data available

Section 10: STABILITY AND REACTIVITY

10.1	Reactivity	No data available
10.2	Chemical Stability	Stable under recommended storage conditions
10.3	Possibility of Hazardous reactions	No data available
10.4	Conditions to avoid	Exposure to moisture may affect product quality.
10.5	Incompatible materials	Acid chlorides
10.6	Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Carbon oxides
10.7	Further Information	No data available

Section 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	Acute Toxicity	
	LC50-Inhalation	No data available
	Skin corrosion/irritation	No data available
	Serious eye damage/eye irritation	No data available
	Respiratory or skin sensitization	No data available
	Germ Cell mutagenicity	No data available

Carcinogenicity

- IARC No component of this product, present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP No component of this product, present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Teratogenicity

No data available

Specific target organ toxicity-single exposure (GHS)

No data available

Specific target organ toxicity-repeated exposures (GHS)

No data available

Aspiration Hazards

No data available

Signs and Symptoms of Exposure

Gastrointestinal disturbance, Nausea, Dizziness, Headache, Vomiting, Cardiovascular effects. Muscle cramps/spasms.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Synergistic effects

No data available

RTECS:

Section 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity** No data available
- 12.2 Persistence and degradability** No data available
- 12.3 Bioaccumulative potential** No data available
- 12.4 Mobility in soil** No data available
- 12.5 Results of PBT and vPvB assessment** PBT/vPvB assessment not available as chemical safety assessment not required / not conducted
- 12.6 Other adverse effects** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life with long lasting effects.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods

Product:

According to local regulations

Packaging

According to local regulations

Section 14: TRANSPORT INFORMATION

DOT (US)

UN number: 2922 Class: 8 (6.1) Packing group: II

IMDG

Proper shipping name: Corrosive liquids, toxic, n.o.s. (Cresol, 2-Methoxy-p-cresol)
Reportable Quantity (RQ): 333 lbs

UN number: 2922 Class: 8 (6.1) Packing group: II EMS-No: F-A, S-B

Proper shipping name: CORROSIVE LIQUID, TOXIC, N.O.S. (Cresol, 2-Methoxy-p-cresol)

IATA

UN number: 2922 Class: 8 (6.1) Packing group: II

Proper shipping name: Corrosive liquid, toxic, n.o.s. (Cresol, 2-Methoxy-p-cresol)

Section 15: REGULATORY INFORMATION

SARA 302 Components

Phenol

CAS-No.:108-95-2; Revision Date: 2007-07-01

SARA 313 Components

Phenol

CAS-No.: 108-95-2; Revision Date: 2007-07-01

Cresol

CAS-No.: 1319-77-3; Revision Date: 1993-04-24

SARA 311/312 Hazards

Massachusetts Right to Know Components

Cresol

CAS-No.: 1319-77-3; Revision Date: 1993-04-24

Phenol

CAS-No.: 108-95-2; Revision Date: 2007-07-01

Xylenol

CAS-No.: 1300-71-6; Revision Date: 1993-04-24

Pennsylvania Right to Know Components

Cresol

CAS-No.: 1319-77-3; Revision Date: 1993-04-24

Guaiacol

CAS-No.: 90-05-1; Revision Date: 1993-02-16

2-Methoxy-p-cresol

CAS-No.: 93-51-6; Revision Date: 1993-02-16

Phenol

CAS-No.: 108-95-2; Revision Date: 2007-07-01

Xylenol

CAS-No.: 1300-71-6; Revision Date: 1993-04-24

New Jersey Right to Know Components

CAS-No.: 1319-77-3; Revision Date: 1993-04-24

CAS-No.: 90-05-1; Revision Date: 1993-02-16

CAS-No.: 93-51-6; Revision Date: 1993-02-16

CAS-No.: 108-95-2; Revision Date: 2007-07-01

CAS-No.: 1300-71-6; Revision Date: 1993-04-24

California Prop. 65 Components

This product does not contain any chemical known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: OTHER INFORMATION**HMIS Rating**

Health hazard 3

Chronic Health Hazard*

Flammability 2

Physical Hazard 0

Further Information

Aurochemicals provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly

Safety Data Sheet



trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Aurochemicals makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Aurochemicals will not be responsible, nor held liable, for damages resulting from use of or reliance upon this information.

Issued by:	Contact Person:
Aurochemicals	Deo N. Persaud
7 Nicoll Street	Revised Date: 8/9/2022
Washingtonville, NY 10992 USA	

Aurochemicals