

HEALTH	3
FLAMMABILITY	2
REACTIVITY	0

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name	Ortho Cresol, Natural
Product Number	0348000
CAS-No.	95-48-7

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 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 1B), H314 Serious eye damage (Category 1), H318 Acute aquatic toxicity (Category 2), H401 Chronic aquatic toxicity (Category 2), H411
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2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement
Hazard Statement(s)

DANGER

H301+H311	Toxic if swallowed or in contact with skin
H314	Cause severe skin burns and eye damage
H411	Toxic to aquatic life with long lasting effects

Precautionary Statement(s)

P260	Do not breathe dust or mist
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P273	Avoid release to the environment

P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician
P361	Remove/Take off immediately all contaminated clothing
P363	Wash contaminated clothing before reuse
P391	Collect spillage
P405	Store locked up
P501	Dispose of contents/container to an approved waste disposal plant

2.3 HNOC (Hazards not otherwise classified or not covered by GHS) None

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms	2-Methylphenol
Formula	C ₇ H ₈ O
Molecular Weight	108.14 g/mol
CAS-No	95-48-7
EC-No.	202-423-8
Index No.:	604-004-00-9

Hazardous Components

Component	Classification	Concentration
o-Cresol	Acute toxicity, Oral (3), H301 Acute toxicity, Dermal (3), H311 Skin Corrosion (1B), H314 Serious eye damage (1), H318 Acute aquatic toxicity (2), H401 Chronic aquatic toxicity (2), H411	-

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	Provide fresh air; keep at rest and at a comfortable position to breathe. Consult a physician
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. Consult a physician
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes as a precaution.
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** Carbon oxides
- 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** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.. Evacuate personnel to safe areas. Avoid breathing dust.
- 6.2 Environment precautions** Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system. Discharge into the environment must be avoided.
- 6.3 Methods and materials for containment and clean up** Contain spillage. Wet Sweep up with broom without creating dust and place in a suitable, closed container for disposal.
- 6.4 Specific end use(s)** Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

Section 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
- 7.2 Conditions for Safe storage** Keep container tightly closed in a dry, cool and well-ventilated place.
Air and Light 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
o-Cresol	95-48-7	TWA	5 ppm 22 mg/m ³	USA. Occupational Exposure Limits (OSHA)-Table Z-1 Limits for Air Contaminants
		<i>Remarks: Skin contact does contribute to exposure</i>		
		TWA	5 ppm 22 mg/m ³	USA. OSHA-Table Z1 Limits for Air Contaminants 1910.100
		<i>Remarks: Skin contact does contribute to exposure</i>		
		TWA	5 ppm 22 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)

	Remarks: Skin contact does contribute to exposure		
	TWA	2.3 ppm 10 mg/m ³	USA. NIOSH Recommended Exposure Limits
	TWA	20 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
	Remarks: Upper Respiratory Tract Irritation 2010 Adoption. Not classifiable as a human carcinogen. Danger of cutaneous absorption		
	TWA	5 ppm 22 mg/m ³	USA. OSHA-Table Z-1 Limits for Air Contaminants – 1910.100
	Skin notation		

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 approved government standards such as NIOSH (US) and CEN (EU).
Skin protection	Wear chemically resistant Nitrile rubber gloves, 0.4mm. Use proper glove removal techniques (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands.
Body protection	Complete suit protecting against chemicals should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate, use a full face respirator with multi -purpose combination (U) 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 faced supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (U) 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	Liquid, Solid Colorless to pale brown liquid /crystals
b Odor	No data available
c Odor Threshold	No data available
d pH	4.5 at 25.00000 g/l
e Melting Point /Freezing Point	Melting point: 30-34oC
f Boiling Point	192oC
g Flash Point	81oC closed cup
h Evaporation Rate	No data available
i Flammability (Solid, Gas)	No data available
j Upper/lower Flammability Limit	Upper explosion limit: 58% (V) Lower explosion limit: 1.3% (V)
k Vapor pressure	3.1 hPa at 60.0oC 1.3 hPa at 38.2oC 0.4 hPa at 20.0oC

l	Vapor density	No data available
m	Relative density @25°C	1.041-1.046
n	Solubility	Soluble in water; very soluble in alcohol
o	Partition coefficient: n-octanol/water	No data available
p	Auto-ignition Temp.	599.0°C
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	Heat, Flames and Sparks
10.5	Incompatible materials	Oxidizing Agents
10.6	Hazardous decomposition products	No data available
10.7	Further Information	No data available

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

LD50-Oral- Rat

121.0 mg/kg

Remarks: Behavioral: Convulsions or effect on seizure thresholds. Lungs, Thorax or Respiration: Dyspnea. Gastrointestinal: Ulceration or bleeding from the stomach.

LC50-Inhalation-Rat

>1,220 mg/m³

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear and Taste)

LD50-Dermal-Rabbit

890 mg/kg

Skin corrosion/irritation

Rabbit: Severe skin irritation - 24 hr (Draize Test)

Serious eye damage/eye irritation

Rabbit: Severe eye irritation (Draize Test)

Respiratory or skin sensitization

Material is extremely destructive to tissue of the mucous membrane and upper respiratory tract, eyes and skin.

Germ Cell mutagenicity

No data available

Carcinogenicity

IARC No component of this product, present 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

Safety Data Sheet

Teratogenicity	No data available
Specific target organ toxicity-single exposure (GHS)	May cause respiratory irritation
Specific target organ toxicity-repeated exposures (GHS)	No data available
Aspiration Hazards	No data available
Potential Health effects	Spasm, inflammation and edema of the larynx, bronchi, pneumonitis, pulmonary edema, burning sensation.
Signs and Symptoms of Exposure	Cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, central nervous system depression, diarrhea, gastrointestinal disturbances. Stomach irregularities –Based on Human Evidence.
Synergistic effects	No data available
RTECS:	MN7820000

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity	<p>To Fish: LC-50 – Leuciscus idus (Golden orfe) – 102,00 mg/l 96 hr</p> <p>To Daphnia and other aquatic invertebrates EC50- Daphnia magna (Water Flea) - 15.8 mg/l – 48 hr</p> <p>To Algae EC50 – Selenastrum 100.00 mg/l -72 hr</p>
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. Toxic to Aquatic Life.

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: 3455	Class 6.1 (8)	Packing Group II
Proper Shipping Name	Cresols, solid		
Reportable Quantity (RQ)	100 lbs		
Marine pollutant	No		
Poison Inhalation Hazard	No		
IMDG	UN Number: 3455	Class: 6.1 (8)	Packing Group II EMS-No: F-E, S-B
Proper Shipping Name	CRESOLS, SOLID		
Marine Pollutant	No		
IATA	UN Number: 3455	Class: 6.1 (8)	Packing Group II
Proper Shipping Name	Cresols, solid		

Section 15: REGULATORY INFORMATION

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

Component	CAS-No.	Revision Date
o-Cresol	95-48-7	7/1/2007

SARA 313 Components

The following component are subject to reporting levels established by SARA Title III, Section 313

Component	CAS-No.	Revision Date
o-Cresol	95-48-7	7/1/2007

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right to Know components

o-Cresol CAS# 95-48-7 Rev. Date: 7/1/2007

Pennsylvania Right to Know components

o-Cresol CAS# 95-48-7 Rev. Date: 7/1/2007

New Jersey Right to Know components

o-Cresol CAS# 95-48-7 Rev. Date: 7/1/2007

:

California Prop. 65 components

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

Section 16: OTHER INFORMATION

HMIS Rating

Health hazard 2
Chronic Health Hazard
Flammability 2
Reactive 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 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.

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