

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name	o-Hydroxycinnamic Acid, Natural
Product Number	0470000
CAS-No.	614-60-8

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) Serious eye irritation (Category 2A) Skin irritation (Category 2) Specific target organ toxicity-repeated exposure, inhalation (Category 3), lungs
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2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement

Danger

Hazard Statement(s)

H301	Toxic if swallowed
H315	Causes skin irritation.
H319	Causes serious eye irritation
H335	May cause respiratory irritation.

Precautionary Statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapor/spray
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area
P280	Wear eye protection/ face protection/gloves.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302 + P352	IF ON SKIN: Wash with soap and water
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.
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see ... on this label)
P330	Rinse mouth
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P403+P233	Store in a well ventilated place. Keep container tightly closed.
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

Chemical characterization	Natural Product
Synonyms	O-Coumaric Acid
Formula	C ₉ H ₈ O ₃
Molecular Weight	164.16 g/mol
CAS-No	614-60-8
EC-No.	210-386-4

Hazardous Components

Component	Classification	Concentration
O-Hydroxycinnamic Acid	Acute Tox.; Skin Irrit.; Eye Irrit; STOT SE Respiratory Irrit (3), H301,H315, H319, H335	<= 100%

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

Contact with eyes:	warm water. Consult a physician.
Ingestion	Rinse thoroughly with plenty of water for at least 15 as a precaution. Consult a physician.
Clothing contamination:	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
4.2 Most important symptoms and effects both acute and delayed	Remove contaminated clothing and wash before reuse.
4.3 Indication of any immediate medical attention and special treatment needed.	See section 2.2 and or section 11
	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.
6.3 Methods and materials for containment and clean up	Sweep up with broom and shovel. Avoid creating dust 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 inhalation of dust and aerosols. Provide adequate ventilation at places where dust is formed.
7.2 Conditions for Safe storage	Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific End use(s) Flavorings

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters (Components with workplace control parameters):

Contains no substance with workplace control parameters

8.2 Exposure Controls

Appropriate Engineering Controls

Handle in accordance with good industrial hygiene and safety practices.
Mechanical exhaust required, Safety Shower and Eye Bath

Personal protective equipment

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

Eye/face protection Wear appropriate tightly fitting safety goggles. NIOSH tested and approved.

Skin protection Wear chemically resistant, Nitrile rubber gloves, 11 mm. 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 Impervious clothing protecting against chemicals, made of flame retardant antistatic material 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 particle respirator type N100 (US) or type P3 (EN143) respirator cartridges as a back up 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

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a	Appearance	Powder, Crystalline White needle like crystals
b	Odor	No data available
c	Odor Threshold	odorless
d	pH	No data available
e	Melting Point /Freezing Point	207-217oC
f	Boiling Point	348-349°C
g	Flash Point	353°C

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 at 20°C	No data available
n	Solubility	Soluble in water
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	No data available
10.5 Incompatible materials	Strong 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	No data available
LC50-Inhalation-Rat	No data available
LD50-Dermal- Rabbit	No data available

Skin corrosion/irritation	Rabbit – Mild skin irritation – 24 hr (Draize Test)
Serious eye damage/eye irritation	Rabbit – Corrosive to eyes (Draize Test)

Respiratory or skin sensitization	Does not cause skin sensitisation.
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
Teratogenicity		No data available
Specific target organ toxicity-single exposure (GHS)		Inhalation – May cause respiratory irritation - Lungs
Specific target organ toxicity-repeated exposures (GHS)		Respiratory system
Aspiration Hazards		No data available
Potential Health effects		To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
Signs and Symptoms of Exposure		
Synergistic effect		No data available
RTECS:		No data available

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity	
To Fish	No data available
To Algae	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	No data available

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 2811 Class: 6.1 Packing group: III
Proper shipping name:	Toxic solids, organic, n.o.s. (2-Hydroxycinnamic acid)
Reportable Quantity (RQ)	No
Marine Pollutant:	No
Poison Inhalation Hazard:	No

Safety Data Sheet

IMDG	UN 2811 Class: 6.1 Packing group: III EMS-No: F-A, S-A
Proper shipping name:	TOXIC SOLID, ORGANIC, N.O.S. (2-Hydroxycinnamic acid)
IATA	UN 2811 Class: 6.1 Packing group: III
Proper shipping name:	Toxic solid, organic, n.o.s. (2-Hydroxycinnamic acid)

Section 15: REGULATORY INFORMATION

Reach No.	A registration number is not available for this substance as its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.		
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.		
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.		
SARA 311/312 Hazards	Substance is not listed.		
Massachusetts Right to Know components	Substance is not listed.		
Pennsylvania Right to Know components	o-Hydroxy Cinnamic Acid	Cas No. 614-60-8	Rev. Date:
New Jersey Right to Know components	o-Hydroxy Cinnamic Acid	Cas No. 614-60-8	Rev. Date:
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	1
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.

Issued by:	Contact Person:
Aurochemicals	Deo N. Persaud

Safety Data Sheet



The Natural Choice for Flavor
and Fragrance Ingredients

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Aurochemicals