corigin

Corigin Solutions Inc

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Coriphol

Safety Data Sheet

Date: 5/03/23

Version: 1.1

SECTION 1: Identification of the substance/mixture and the company/undertaking

1.1 Product Identifier

Product name : **Coriphol**

Ingredient : Pyroligneous acid derived from almond shells

Synonyms : Pyroligneous acid (PLA), Wood vinegar

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Liquid plant growth enhancer. For use on crops and horticulture.

1.3 Details of the supplier of the safety data sheet

Company : Corigin Solutions Inc.
154 Hawk Drive
Merced, CA 95341, United States

Telephone : (949) 677-6230

1.4 Emergency telephone : (800) 222-1222 (California Poison Control System)
: (949) 677-6230 (Corigin)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

OSHA Hazards
Corrosive Liquid, Target Organ Effect

Target Organs
Teeth., Kidney

GHS Classification

Corrosive liquids	: Category 3
Acute toxicity, Dermal	: Category 4
Skin irritation	: Category 2
Eye irritation	: Category 2A
Specific target organ toxicity - single exposure	: Category 3

2.2 GHS Label elements, including precautionary statements

Pictogram :

Signal word : Warning

Hazard statement(s)

H226	: Corrosive liquid and vapour
H312	: Harmful in contact with skin
H315	: Causes skin irritation
H321	: Causes serious eye irritation.

Precautionary statement(s)

P261	: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280	: Wear protective gloves/ protective clothing.
P305 + P351 + P338	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification

Health hazard	: 0
Chronic Health Hazard:	: *
Flammability	: 0
Physical hazards	: 3

NFPA Rating

Health hazard	: 0
Fire	: 1
Reactivity Hazard	: 0

Potential Health Effects

Inhalation	: May be harmful if inhaled. May cause respiratory tract irritation.
Skin	: May be harmful if absorbed through skin. May cause skin irritation.
Eyes	: May cause eye irritation.
Ingestion	: May be harmful if swallowed.

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

SECTION 3: Composition/information on ingredients

3.1	**Substances**	: Pyroligneous acid derived from almond shells
	CAS Registry Number	: 8030-97-5
	E.C. Number	: 232-450-0

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.
If inhaled	: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	: Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	: 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

: See Sections 2.2 and 11

4.3 Indications of any immediate medical attention and special treatment needed

: No data available

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water, Foam, Carbon Dioxide (CO2), Dry Powder extinguishers

Unsuitable extinguishing media : For this substance no limitations of extinguishing agents are given

5.2 Special hazards arising from this substance or mixture

: Carbon Oxides

: Development of hazardous gasses or vapors possible in the event of fire

5.3 Advice for firefighters : Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by wearing suitable protective clothing.

5.4 Further information : none

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel : Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2 Environmental precautions : Prevent runoff into drains

6.3 Methods and materials for containment and clean-up

: Cover drains, collect and pump out large spills. Take up with absorbant material. Dispose of properly. Clean up affected area.

6.4 Reference to other sections : For disposal see Section 13.

SECTION 7: Handling and storage

7.1 Precations for safe handling

Advice on protection against fire and explosion

: Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene Measures : Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

Storage class : 8B, Corrosive material

7.3 Specific end use : Apart from the uses described in 1.2, no other specific usesare stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Ingredients with workplace control parameters

: Contains no substances with occupational exposure limit values

8.2 Exposure controls

Appropriate engineering controls

: Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.

Personal protective equipment

Eye/face protection : Use equipment for eye protection tested and approved under appropriate

government standards such as NIOSH (US) or EN 166(EU). Safety glasses required.

Skin protection : Proper use of gloves required when handling.

Body protection : Proper protective clothing required when handling

Respiratory protection : Is required when vapours/aerosols are generated.

Control of environmental exposure : Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Form	: Liquid
	Color	: Amber
b) Odor		: Smokey almond smell
c) Odor threshold		: No data available
d) pH		: No data available
e) Melting/freezing point		: No data available
f) Boiling point		: 99 °C (210 °F) - lit.
g) Flash point		: > 60.5°C
h) Evaporation rate		: No data available
i) Flammability (solid, gas)		: No data available
j) Upper/lower flammability or explosive limits		: No data available
k) Vapor pressure		: No data available
l) Vapor density		: No data available
m) Density		: Close to 1 g/cm3 at 25 °C (77 °F)
Relative density		: No data available
n) Water solubility		: No data available
o) Partition coefficient		: No data available
p) Autoignition temperature		: No data available
q) Decomposition temperature		: 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 : Heating, fire

10.5 Incompatible materials : Oxidizing agents, strong bases, nitrites

10.6 Hazardous decomposition products : Hazardous decomposition products formed under fire conditions.
- Carbon oxides. (See Section 5.2)

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral : No data available
Inhalation : No data available
LD50 Dermal : No data available
Other information on acute toxicity : 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

Specific target organ toxicity - single exposure : Inhalation - May cause respiratory irritation

Specific target organ toxicity - repeated exposure : No data available

Aspiration hazard : No data available

11.2 Additional information : RTECS: ZD0370000
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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 : No data available

12.6 Endocrine disrupting properties : No data available

12.7 Other adverse effects : No data available

SECTION 13: Waste disposal

13.1 Waste treatment methods

: Burn in a chemical incinerator equipped with an afterburner and scrubber.
Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14: Transport information

DOT (US) UN number: 3265 Class: 8 Packing group: III
Proper shipping name: Corrosive liquids, n.o.s. (Devolatized Pyroligneous acid)

Marine pollutant: No
Poison Inhalation Hazard: No

IMDG UN number: 3265 Class: 8 Packing group: III EMS-No: F-E, S-E
Proper shipping name: CORROSIVE LIQUIDS, N.O.S. (Devolatized Pyroligneous acid)
Marine pollutant: No

IATA UN number: 3265 Class: 8 Packing group: III
Proper shipping name: Corrosive liquid, n.o.s. (Devolatized Pyroligneous acid)

SECTION 15: Regulatory information

OSHA Hazards : Corrosive Liquid, Target Organ Effect

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 : Chronic Health Hazard

Massachusetts Right To Know Components : No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components : Pyroligneous acids CAS-No. 8030-97-5

New Jersey Right To Know Components : Pyroligneous acids CAS-No. 8030-97-5

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

Further information : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Corigin Solutions Inc shall not be held liable for any damage resulting from handling or from contact with the above product.

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