



TECHVINA

Binh Dan, Tan Dan, Khoai Chau,
Hung Yen 160000, Vietnam

T: +84 866 115 386
E: info@techvina.vn
W: <http://techvina.vn/>

SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

1. Identification of the substance/preparation and of the company/undertaking

Product Name	Coumarin EU Natural
CAS Number	91-64-5
EC Number	202-086-7
Recommended use	Concentrated aromatic ingredient which may be used fragrance compounds according to legal and IFRA guidelines.
Recommended restrictions	For Manufacturing Use Only.
Manufacturer Information	
Company name	TECH-VINA Joint Stock Company
Address	Binh Dan Village, Tan Dan Commune, Khoai Chau District, Hung Yen Province, Vietnam
Telephone	+84 866 115 386
Website	www.techvina.vn
Email	info@techvina.vn
Emergency phone number	+84 912 939 338

2. Hazards identification

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 3
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
	Specific target organ toxicity, single exposure	Category 3
	Specific target organ toxicity, repeated exposure	Category 2
Environmental hazards	Hazardous to the aquatic environment	Category 3



SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

GHS Labels



Signal word

Danger

Hazard Statements

- H301 Toxic if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs (kidney, liver) through prolonged or repeated exposure.
- H402 Harmful to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/eye protection/face protection.

Response

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.



SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

- P302 + P352 IF ON SKIN: Wash with plenty of 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 this label).
- P330 Rinse mouth.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.

Storage

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal

- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) WARNING! May form combustible dust concentrations in air. Avoid breathing dust.

Supplemental information 100% of the mixture consists of component(s) of unknown acute dermal toxicity. 100% of the mixture consists of component(s) of unknown acute inhalation toxicity.

3. Composition/information on ingredients

Chemical name Coumarin

Common name & synonyms Coumarinic Lactone, Coumarinic Anhydride

Chemical Characterization Substances

CAS Number 91-64-5



SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3Revision date: January 1, 2022
Print date: January 1, 2022

EC Number	202-086-7
Formula	C ₉ H ₆ O ₂
Purity	99.0%
Molar mass	146.145 g/mol

4. First-aid measures

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.
------------	--

Skin contact	Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.
--------------	--

Eye contact	Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.
-------------	--

Ingestion	Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.
-----------	---

Most important symptoms/effects, acute and delayed	Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction. Dermatitis. Rash.
--	---

Indication of immediate medical attention and special treatment needed	No further relevant information available.
--	--

General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
---------------------	---

5. Fire-fighting measures



SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

Suitable extinguishing media	Water spray, fog, CO ₂ , dry chemicals, or alcohol resistant foam.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural fire fighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.
Firefighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.
Specific methods	Use water spray to cool unopened containers.
General fire hazards	Static charges generated by emptying package in or near flammable vapor may cause flash fire.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor.
---	---





SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

Methods and materials for containment and cleaning up

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean surface thoroughly to remove residual contamination

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.

7. Handling and storage

Precautions for safe handling

Take precautionary measures against static discharges when there is a risk of dust explosion. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Do not handle or store near an open flame, heat or other sources of ignition. Assume that this material is capable of producing a dust explosion if ignited as a dust cloud.

Take precautionary measures against static discharges. Avoid breathing vapor. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

8. Exposure controls/personal protection

Occupational exposure limits

This substance has no PEL, TLV, or other recommended exposure limits.

Biological limit values

No biological exposure limits noted for the ingredient(s).





SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

Appropriate engineering controls

Use only appropriately classified electrical equipment and powered industrial trucks. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles). Face shield is recommended.
Hand skin protection	Chemical resistant gloves.
Other skin protection	Use of an impervious apron is recommended.
Respiratory protection	Dust mask.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance	Refer to Spec Sheet
Physical state	Powder/ Crystalline powder
Form	Powder/Crystalline powder
Color	Refer to Spec Sheet



SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

Odor	Characteristic.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	71 °C
Initial boiling point and boiling range	301°C
Flash point	> 110 °C Closed cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Vapor pressure	0.01 mm Hg at 20 °C
Vapor density	5.1
Relative density	Not available.
Solubility (water)	Insoluble
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Specific gravity	0.935 g/cm ³ @ 20°C
10. Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.



SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

Hazardous decomposition products No hazardous decomposition products if stored and handled as indicated.

11. Toxicological information

Information on the likely routes of exposure:

Inhalation Irritating to respiratory system.
Skin Contact Dust or powder may irritate the skin. May cause an allergic skin reaction.
Eye Contact Dust may irritate the eyes.
Ingestion Toxic if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Toxic if swallowed.
Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.
Skin sensitization May cause an allergic skin reaction.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.
Persistence and degradability No data is available on the degradability of this substance.
Bioaccumulative potential No data available.
Mobility in soil No data available.



SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions

Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

Not established.

Waste from residues/ unused products

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT (US)

UN Number N/A

Proper Shipping Name Not restricted.

Class -

Packing Group -

IMDG

UN Number N/A

Proper Shipping Name Not restricted.

Class -



SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

Packing Group -

IATA

UN Number N/A

Proper Shipping Name Not restricted.

Class -

Packing Group -

ADR

UN Number N/A

Proper Shipping Name Not restricted.

Class -

Packing Group -

Transport hazard class(es) N/A

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous
Substance List (40 CFR
302.4) Not listed.

SARA 304 Emergency
release notification Not regulated.

US. OSHA Specifically
Regulated Substances (29
CFR 1910.1001-1052) Not regulated.

TSCA Section 12(b) Export
Notification (40 CFR 707,
Subpt. D) Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)





SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

SARA 302 Extremely hazardous substance Not listed.

SARA 311/312 Hazardous Yes

Classified hazard categories:

Acute toxicity (any route of exposure)

Respiratory or skin sensitization

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Barred from use in human food.

US state regulations: California Proposition 65

California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT) Not listed.

16. Other information

Issue date June 20, 2018

Revision date January 1, 2022

Version # 3





TECHVINA

Binh Dan, Tan Dan, Khoai Chau,
Hung Yen 160000, Vietnam

T: +84 866 115 386
E: info@techvina.vn
W: <http://techvina.vn/>

SAFETY DATA SHEET

COUMARIN NAT

Issue date: June 20, 2018
Version #3

Revision date: January 1, 2022
Print date: January 1, 2022

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet is intended to meet the specific requirements of GHS and should be used accordingly. While the information has been obtained from sources believed to be accurate and reliable, no warranty, expressed or implied, can be made with regard to its completeness, correctness or accuracy. Any users or handlers of this product who are not under the direct control of Tech-vina JSC are responsible for evaluating this information in light of their particular situation and are responsible for all losses, damages or expenses that result while this material is under their control. It is also the responsibility of the users and handlers to observe any and all laws and regulations (Global, Federal, State and Local) concerning the transportation, use, handling, storage and disposal of this product.

