

SAFETY DATA SHEET

Issue date : March 01, 2024 Revision date : Jan 02, 2025
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1. Identification of the substance and of the supplier

GHS product identifier
 Product name: COUMARIN NATURAL
 Other means of identification
 CAS Number 91-64-5
 EC Number 202-086-7
 Recommended use of the chemical and restrictions on use
 Recommended use Concentrated aromatic ingredients which may be used in fragrance compounds according to legal and IFRA guideline.
 Restrictions on use For Manufacturing Use Only
 Supplier's details
 Company name Asia Specialty Ingredients Joint Stock Company
 Address Chi Long Village, Ngoc Long Commune, Yen My District, Hung Yen Province, Vietnam
 Telephone +84 2213 580 989
 Website www.asi-vn.com
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2. Hazards identification

GHS classification of the substance
 Physical hazards Not classified
 Health hazards Acute toxicity Category 3
 Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 2A
 Sensitization, skin Category 1
 Environmental hazards Hazardous to the aquatic environmental Category 3
 GHS label elements Pictogram



Signal word Warning
 Hazard statements
 H317 May cause an allergic skin reaction
 H319 Cause serious eye irritation
 H402 Harmful to aquatic life

Precautionary statements

Prevention

- P264 Wash hands thoroughly after handling
P280 Wear protective gloves/eye protection/face protection

Response

- P363 Wash contaminated clothing before reuse
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P304 + P340 IF ON SKIN: Wash with plenty of soap and water

Storage

- P401 Store away from incompatible materials

Disposal

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

Other hazards which do not result in classification

After prolonged contact with highly porous materials, this product may spontaneously combust

3. Composition/information on ingredients

Chemical identity

Chemical name	Coumarin
Common name, synonym, etc.	Coumarinic anhydrite, 1,2-benzopyrone.
Formula	C ₉ H ₆ O ₂
Molecular weight	146.14 g/mol
CAS number and other unique identifiers	
CAS Number	91-64-5
EC Number	202-086-7
Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance	No data available

4. First-aid measures

Description of necessary measures

Inhalation

If breathing is difficult, move to fresh air and keep at rest in a comfortable position 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

Ingestion	persists. Promptly wash the eyes with plenty of water while lifting the eye lids. 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	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of immediate medical attention and special treatment needed, if necessary	No further relevant information available

5. Fire-fighting measures

Suitable and unsuitable extinguishing media	Suitable extinguishing media: Water spray, fog, CO2, 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 fire-fighters	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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected person away
Environmental precautions	Do not allow to enter sewers/surface or ground water.
Methods and materials for containment and cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation

7. Handling and storage

Precautions for safe handling	Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling
Conditions for safe storage, including any compatibilities	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

Control parameters	
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).
Appropriate engineering controls	Use explosion-proof ventilation equipment to stay below exposure limits.
Individual protection measures	
Eye/face protection	Wear safety glasses with side shields.
Hand skin protection	Chemical resistant gloves.
Other skin protection	No data available.
Respiratory protection	No data available.
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.

9. Physical and chemical properties

Physical state	Crystal
Colour	Colourless to white
Odour	Vanilla
Melting point/freezing point	70°C.
Boiling point	299°C
Flammability	Combustible
Lower and upper explosion limit/flamability limit	No data available
Flash point	>93°C, Closed cup
Auto-ignition temperature	No data available

Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	Insoluble in water
Partition coefficient: n-octanol/water (log value)	No data available
Vapour pressure	0.01 mm Hg at 25 °C
Density and/or relative density	0.930 - 940 (20 °C)
Relative vapour density	No data available
Particle characteristics	No data available

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 heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products.	No hazardous decomposition products if stored and handled as indicated.

11. Toxicological information

Information of the likely routes of exposure	
Inhalation	May be harmful if inhaled
Skin Contact	Causes skin irritation
Eye Contact	May be harmful if absorbed through the skin. Readily absorbed by skin.
Ingestion	Causes eye irritation
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Delayed and immediate effects and also chronic effects from short- and long-term exposure	No data available
Numerical measures of toxicity	No data available

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data available

Bioaccumulative potential	No data available.
Mobility in soil	No data available.
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 chemicals or used containers. 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	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is empty

14. Transport information

DOT (US)	
UN number	N/A
UN proper shipping name	Not classified
Transport hazard class	-
Packing group, if applicable	-
IMDG	
UN number	N/A
UN proper shipping name	Not classified
Transport hazard class	-
Packing group, if applicable	-
IATA	
UN number	N/A
UN proper shipping name	Not classified
Transport hazard class	-
Packing group, if applicable	-
ADR	
UN number	N/A
UN proper shipping name	Not classified



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Transport hazard class -
Packing group, if applicable -

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance This safety datasheet complies with the requirement of Regulation (EC) No. 1997/2006

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

Chemical safety assessment For this product a chemical safety assessment was not carried out.

16. Other information

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