

Safety Data Sheet

Section 1. Product and Company Identification

Product Name Coumarin Product ID C5782

Chemical Name (Synonyms)

Supplier

Cumarin; Coumarinic anhydride; Tonka bean camphor

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Emergency Phone #

1-800-424-9300

Section 2. Hazards Identification

GHS Classification Acute toxicity, Oral (Category 3), H301

Acute aquatic toxicity (Category 3), H402 Chronic aquatic toxicity (Category 3), H412

GHS Label elements including precautionary statements

Pictogram



Signal word

Hazard and precautionary statements

Hazard statements

H301 - Toxic if swallowed. H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

P264 - Wash skin thoroughly after handling.

P270 - Do not eat, drink, smoke when using this product.

P273 - Avoid release to the environment.

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P321 - Specific treatment (see supplemental first aid instructions on this label).

P330 - Rinse mouth. P405 - Store locked up.

P501 - Dispose of contents/ container to an approved waste disposal plant.

HMIS Classification Health hazard: 2

Chronic health hazard: 0 Flammability: 0 Physical hazard: 0

NFPA Rating

Health hazard: 2 Fire hazard: 0 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.

Section 3. 0	Composition/	Information	on Ingredients

Substances Ingredient: Title Compound Percent: 100

Formula $C_9H_6O_2$ Formula Wt. 146.14 CAS No. 91-64-5 EC No. 202-086-7

Section 4. First Aid Measues

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact

Flush eyes with water as a precaution.

Skin Contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 . Firefighting Measures

Flash Point

Not available.

Extingushing Media

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Firefighting Procedures

Wear self-contained breathing apparatus for firefighting if necessary.

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Not available.

Unusual Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions

Wear respiratory protection. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleanup

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: Ambient

Hazardoue

Hazardous decomposition products are formed under fire conditions. Carbon oxides.

Hazardous Decomposition Products

Other Remarks

Section 8. Exposure Controls/Personal Protection

Personal protective EXPOSURE CONTROLS

equipment Contains no substances with occupational exposure limit values.

Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the

product.

PERSONAL PROTECTION

Eye/face protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in secondarge with applicable laws and good laboratory practices. We shad do

contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full and splash contact - Material: Nitrile rubber, Minimum layer thickness: 0.11 mm, Break through time: 480 min., Material tested: Dermatri® (KCL 740 / Aldrich Z677272, Size M).

Body protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup 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).

Section 9. Physical and Chemical Properties

Solid. Large, semi-clear crystals. **Physical State** Color

297-299°C Not available **Boiling Point** Volatility

68-70°C Not available.

Melting Point Density

Slightly soluble in water. Soluble in alcohol, Not available. Solubility chloroform, ether, alkali hydroxide solutions or pН

Not available. Not available. Ignition Flash Point temperature

Not available Not available. **Autoignition** Lower explosion limit

temperature

Not available. Not available. Vapor

Upper explosion limit pressure

Slightly soluble in water. Not available. Water solubility Odor

Partition coefficient: Not available. Not available.

Odor n-octanol/water Threshold

Relative vapor density Not available. Not available. **Evaporation**

rate

Section 10. Stability and Reactivity

Stable under recommended storage conditions. Stability

Strong oxidizing agents, strong acids, and strong bases.

Materials To Avoid

Products

Hazardous Hazardous decomposition products are formed under fire conditions. Carbon oxides. Decomposition

Possibility of Not available. hazardous reactions

Not available.

Conditions to avoid

Section 11. Toxicological Information

Oral LD50 Rat - 293 mg/kg Skin Not available.

corrosion/irritation

Serious eye Not available. Inhalation LC50 Not available.

damage/irritation

Dermal LD50 Not available. Respiratory or Not available.

skin sensitization

Other information on Not available. Germ cell mutagenicity Not available.

acute toxicity

Reproductive Toxicity Not available. Aspiration Hazard Not available.

Specific organ toxicity Not available. Synergistic effects Not available.

single exposure (GHS)

repeated exposure (GHS)

Specific organ toxicity Not available. Additional Information RTECS: GN4200000

To the best of our knowledge, the chemical, physical, and toxicological properties have not

been thoroughly investigated.

Signs and symptoms Stomach - irregularities - based on human Teratogenicity Not available.

of exposure evidence

Potential Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.

Health Effects Skin - May be harmful if absorbed through skin. May cause skin irritation.

Eyes - May cause eye irritation.
Ingestion - Acute toxicity. Toxic if swallowed. May be harmful if swallowed.

Carcinogenicity This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 3 - Group 3. Not classifiable as to its carcinogenicity to humans (Coumarin).

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

Section 12. Ecological Information

Toxicity to Fish: LC50-Poecilia reticulata

(guppy) - 56 mg/l - 96h Toxicity to daphnia and other aquatic

invertebrates: LC50 - Daphnia magna (Water flea) - 13.5 mg/l - 48 h.

Mobility in soil Not available.

PBT and vPvB PBT/vPvB assessment not available as assessment chemical safety assessment not required/not

conducted.

Persistence and degradability Not available.

Other adverse effects An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

Bioaccumulative potential Leuciscus idus melanotus - 3 d - 46µg/l Bioconcentration factor (BCF): < 10

Section 13. Disposal Considerations

Waste Disposal

Dispose of material according to all federal, state, and local regulations.

Offer material to a licensed, professional waste disposal company to dispose of as unused product. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and

scrubber.

Section 14. Transport Information

DOT (US) UN number: 2811 Class: 6.1 Packing group: III

Proper shipping name: Toxic solid, organic n.o.s. (Coumarin)

UN number: 2811 Class: 6.1 Packing group: III Proper shipping name: Toxic solids, n.o.s. (Coumarin) UN number: 2811

UN number: 2811 Class: 6.1 Packing group: III EMS #: F-A, S-A Proper shipping name: TOXIC SOLID, ORGANIC, N. O. S. (Coumarin) IMDG UN number: 2811 Class: 6.1

Further Information

Section 15. Regulatory Information

Reach No.

SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components SARA 313: 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 Components Acute health hazard, chronic health hazard.

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

Pennsylvania Right Coumarin CAS #: 91-64-5 Revision Date: 1993-02-16 **To Know Components**

New Jersey Right Coumarin CAS #: 91-64-5 Revision Date: 1993-02-16 **To Know Components**

California Prop 65 This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any Components other reproductive harm.

Section 16. Other Information

Other information

The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.

Updated 6/11/2020

For emergencies in the USA, call CHEMTREC 800-424-9300