

SAFETY DATA SHEET



Humco Holding Group, Inc.
7400 Alumax Dr
Texarkana TX 75501 USA
800-662-3435
cs@humco.com
www.humco.com

24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300

All non-emergency calls should be directed to
Customer Service at 800-662-3435

NAME: THEOPHYLLINE

SDS NO.8129

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Theophylline

Synonyms: Theophyllinum

Recommended Use: No relevant information available.

Manufacturer / Supplier: Humco Holding Group, Inc.


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2. HAZARD IDENTIFICATION

| | |
|---------------------------|--|
| Pictogram: |  GHS06 |
| Classification: | Acute Tox. 3 |
| Signal Word: | Danger |
| Hazard Statements: | H301 Toxic if swallowed |

3. COMPOSITION / INGREDIENTS

| CHEMICAL NAME | CAS# |
|---------------|---------|
| LTHEOPHYLLINE | 58-55-9 |
| THEOPHYLLINUM | |

The exact percentage has been withheld as a trade secret

4. FIRST-AID MEASURES

| ROUTE | COMMON SYMPTOMS | FIRST AID |
|------------|-----------------|--|
| Inhalation | Not determined | Take affected persons into fresh air and keep quiet. |
| Ingestion | Not determined | Rinse out mouth and drink plenty of water. Immediately call a doctor. |
| Skin | Not determined | Generally, the product does not irritate the skin. |
| Eyes | Not determined | Rinse opened eye for several minutes under running water. |

5. FIRE-FIGHTING MEASURES

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|---|---|
| Flash Point: | Not applicable |
| Auto Ignition: | Not determined |
| Extinguishing Media: | CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. |
| Products of Combustion: | Formation of toxic gases is possible during heating or in case of fire. |
| Fire Fighting Equipment and Procedures: | Wear self-contained respiratory protective device. |

6. ACCIDENTAL RELEASE MEASURES

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|-----------------------------------|---|
| Personal Precautions: | Ensure adequate ventilation |
| Environmental Precautions: | Do not allow to enter sewers/surface or ground water. |
| Method of Containment & Clean-Up: | Dispose contaminated material as waste according to item 13 |

7. HANDLING AND STORAGE

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|-----------|--|
| Handling: | Prevent formation of dust. |
| Storage: | Protect from frost. Store in cool, dry conditions in well-sealed receptacles. Product is hygroscopic |

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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|--|--|
| Engineering Controls: | Normal room ventilation is usually adequate under normal use. |
| Personal Protective Equipment (PPE) | Protective work clothes |
| Eye/Face Protection: | Not required. |
| Skin Protection: | Protective gloves |
| Respiratory Protection | In case of brief exposure or low pollution use respiratory-filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air. Filter P2 |
| General Hygiene Considerations: | Keep away from foodstuffs, beverages, and feed. Wash hands before breaks and at the end of work. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---------------------------------------|---------------------------|--|------------------|
| Appearance: | White | Upper/Lower Flammability: | Not Applicable |
| Odor: | Odorless | Vapor Pressure | Not Applicable |
| Odor Threshold: | Not Determined | Vapor Density: | Not Applicable |
| pH: | 4.0 – 6.0 | Relative Density: | Not Determined |
| Melting point /Freezing Point: | 270 – 274°C (518 – 525°F) | Solubilities: | 5.5 g/l in water |
| Boiling point/range: | Not Determined | Partition coefficient: n-octanol/water: | Not Determined |
| Flash point | Not Applicable | Auto-ignition temperature | >610°C (>1130°F) |
| Evaporation rate | Not Applicable | Decomposition Temperature: | Not Determined |
| Flammability: | Not Applicable | Viscosity | Not Applicable |

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Reactivity: | Not Determined |
| Chemical Stability: | Not Determined |
| Possibility of Hazardous reactions: | Risk of dust explosion |
| Conditions to Avoid: | No further relevant information available. |
| Incompatible materials: | No further relevant information available. |
| Hazardous Decomposition Products: | Nitrogen oxides Carbon monoxide and carbon dioxide |

11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Acute toxicity: | Not Determined |
| Skin irritation: | No irritating effect. |
| Eye contact damage: | No irritant effect. |
| Respiratory damage: | Not Determined |
| Ingestion overdose: | Not Determined |
| Delayed, immediate, or chronic effects from short- and long-term exposure | Not Determined |
| LD50 Oral: | 272 mg/kg (Rat) (OECD-Richtlinie 401) |
| Dermal: | >2000 mg/kg (Rat) (OECD-Richtlinie 402) |
| Inhalative: | >6.7 mg/l (Rat) (OECD Richtlinie 403) |
| Symptoms associated with exposure: | Not Determined |
| Carcinogenicity: | Not Determined |
| OSHA: | Substance is not listed. |
| NTP: | Substance is not listed. |
| IARC: | 3 |

12. ECOLOGICAL INFORMATION

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|--|--|
| Acute or chronic aquatic toxicity: | 178 mg/l (Daphnia) 100 mg/l (alg) (Scenedesmus subspicatus) 100 mg/l (Fish) (Leuciscus idus) |
| Chemical degradation: | No further relevant information available. |
| Biodegradation: | Easily biodegradable |
| Bioaccumulation potential | Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected |
| Adsorption studies or leaching studies: | Not Determined |
| Other adverse effects | No further relevant information available. |

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

14. TRANSPORT INFORMATION

| | |
|------------------------------------|---|
| DOT Hazard Classification: | No further relevant information available |
| UN number: | UN2811 |
| UN proper shipping name: | Toxic solids, organic, n.o.s. (Theophylline Theopyllinum) |
| Transport hazard class(es): | 6.1 Toxic substances |
| Packing group number: | III |
| Environmental hazards: | No |
| Special precautions: | Warning: Toxic substances |

15. REGULATORY INFORMATION

No further relevant information available.

16. OTHER INFORMATION

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