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| Effective date: 10-04-2022 | Hy-Labs Cat. No: TT326 | MSDS FORMAT MATERIAL SAFETY DATA SHEET | hylabs Replace Doc: NA |
| Doc. No: MSDS-TT326 | | | |

| 1- Product and Company Identification | |
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| Product Name | TODD HEWITT+COL+NAL (LIM B) |
| Reference number | TT402 |
| Manufacturer | Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474 |
| 2- Composition, Information on Ingredients | |
| Ingredients Name | Cas # |
| Sodium-1-ethyl-1,4-dihydro-7-methyl-4-oxo-1,8-naphthyridin-3-carboxylate | 3374-05-8 |
| Acetone | 67-64-1 |
| Ethanol | 64-17-5 |
| Sodium carbonate | 497-19-8 |
| Colistin sodium methanesulfonate | 8068-28-8 |
| 3- Hazard Specifications | |
| Pictogram |  |
| Signal word | Warning. |
| Risk phrases | Harmful if swallowed. Suspected of causing cancer. |
| Safety phrases | Do not handle until all safety precautions have been read and understood. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. IF exposed or concerned: Get medical advice/ attention. |
| 4- First Aid Measures | |
| General advice | Show this material safety data sheet to the doctor in attendance. |
| Skin | In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician. |
| Eyes | After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses. |
| Inhalation | After inhalation: fresh air. Call in physician. |
| Ingestion | After swallowing: immediately make victim drink water (two glasses at most). Consult a physician. |
| 5- Fire Fighting Measures | |
| Extinguishing Media | Use extinguishing media appropriate to the surrounding fire conditions. Suitable extinguishing media: Water Foam Carbon dioxide (CO2) Dry powder. Unsuitable extinguishing media: For this substance/mixture no limitations of extinguishing agents are given. |

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| Protective equipment | Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. |
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6- Accidental Release Measures

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| Person related safty precautions | Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Do not let product enter drains. |
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| Measures for cleaning/collectiong | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. |
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7- Handling and Storage

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| Handling | Work under hood. Do not inhale substance/mixture. Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. |
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| Storage | 2-8°C |
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8- Exposure Controls, Personal Protection

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| General protective and hygiene measures | Ingredients with workplace control parameters. |
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| Personal Protective Equipment | Wear appropriate personal protection (rubber boots, safety glasses, protective clothing, self-contained breathing apparatus and heavy rubber gloves). used respiratory protection system. Respiratory protection required when dusts are generated. Do not let product enter drains. |
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9- Physical and Chemical Properties

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| Form | Liquid. |
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| Color | Light beige. |
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10- Stability and Reactivity

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| Stability | The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed. The product is chemically stable under standard ambient conditions (room temperature) . Violent reactions possible with: Strong oxidizing agents, Peroxides Ammonia, Alkali metals. Reducing agents, Strong bases. |
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| Incompatible materials | Peroxides, Ammonia, Alkali metals, Reducing agents, Strong bases, Strong oxidizing agents. Strong oxidizing agents. |
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| Hazardous decomposition products | Development of hazardous combustion gases or vapours possible in the event of fire. |
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11- Toxicological Information

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| Potential health effects | Evidence of a carcinogenic effect. Oral: No data available Acute toxicity estimate Oral - 500,1 mg/kg |
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| | | (Calculation method). LD50 Oral - Rat - 5.450 mg/kg. | |
| Additional Information | | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. | |
| 12- Ecological Information | | | |
| Toxicity | | Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. | |
| 13- Disposal Information | | | |
| Disposal Information | | Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions. | |
| Disposal packaging | | No data available. | |
| 14- Transport Information | | | |
| Not classified as dangerous in the meaning of transport regulations. | | | |
| 15- Regulatory Information | | | |
| Safety Phrases | | This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. | |
| 16- Other Information | | | |
| For In-Vitro use only. The information in this MSDS is based on current and reliable sources but does not purport to be all inclusive and shall be used only as a guide. | | | |