

## **MSDS-** Material Safety Data Sheet for: Radicicol

CAS Number: 1272-57-5 Catolog Cade: No Nonorden, RHI-12648, NSC 294404 Company Identification Fermentek Itd, See page foster for contact details Section 2. Composition/Information on Ingredient Chemical Formula C,H+CDQ, RTECS RE105000 Section 3. Hazards Identification EMERGENCY Toxic (USA) Harmful (EU). OVERVIEW May cause cancer. Toxic If swallowed. Intrating to eyes, repolicatory system and skin. Repeated exposure may cause skin dyness or cracking. Vapour may cause diverses. Target organizity Nerves, Liver, repolicatory system and skin. Repeated exposure may cause skin dyness or cracking. Vapour may cause diverses. Target organizity Nerves, Liver, Probable Carcinogen (US) HMIS RATING HEALTH: 2; ELAMMABULTY: 2; REACTIVITY: 2 NPPA RATING HEALTH: 2; ELAMMABULTY: 2; REACTIVITY: 2 Section 4. First Aid Measures Fye Contact Get Kor and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately. Skin Context Wash with 5xap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible. Section 5. Fire and Explosion Data Remove dontures and clear mouth. If person is conscious, rinse mouth with water Call physician or poson control immediately. Drovide chemical label and MSDS if possible. Section 5. Fire and Explosion Data Remove dontures and clear mouth. If person is conscious, rinse mouth with water Call physician or poson control immediately. Drovide chemical bale and MSDS information Remove dontures and clear mouth. If person is conscious, rinse mouth with water Call physician or poson control immediately. Drovide chemical bale and MSDS information Remove dontures and locar negulations concerning the disposal of this product. Sweep up, place in select container and locar disposal. Avoid raining dust. Ventil			Company Information
Catalog Code:       RD         Synonymi       Monorden, RHI-12648, NSC 294404         Companyi dentification       Fermentek Itd, See page footer for contact details         Section 2. Composition/Information on Ingredient         Chemical Formatic       Section 3. Hazards Identification         RTEES       RRIDISDOO         Section 3. Hazards Identification         Torget organistic       Section 3. Hazards Identification         OVERVEW       Way cause cancer.         Torget organistic       Nava cause sind mores so cracking.         Vapours may cause drowsiness and diziness.       Torget organistic         Target organistic       Nerves. Liver. Probable Carcinogen (US)         HMIS RATING       HEALTH: 2; FLAMMABULTY: 2; REACTVITY: 2         NEPA RATING       HEALTH: 2; FLAMMABULTY: 2; REACTVITY: 2         Section 4. First Aid Measures       Section 4. First Aid Measures         Eye Context       Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids.         Section 5. Fire and Exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS information if possible.         Indestitin       Not Available         Combustion product Co, Co, No.No.Q.       Section 5. Fire and Exposion Data	Name:	Radicicol	
Synonyms       Monorden, RH-12648, NSC 294404         Company Identification       Fermentek Itd, See page footer for contact details         Section 2. Composition/Information on Ingredient         Chemical Formula:       Cyl+,cl0,         RTEC       RRID000         Section 3. Hazards Identification         EMERENCY       Toxic (USA) Harmful (EU).         OVERVIEW       May cause cancer.         Toxic (I svallowed.       Trate organis         Intrating to eye, replratory system and skin.       Repeated exposure may cause skin dryness or cracking.         Vappour may cause driviness and drives.       Target organis         Nerves. Liver, Probable Carcinopen (US)       HMISTATT: 2: FLAMMABUITY: 2: REACTIVITY: 2         Section 4. First Aid Measures       Section 4. First Aid Measures         Eye Contact       Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids.         Skin contact       Ksh valk soag and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.         Inheletion       Remove from exposure. If breathing is difficult, administer ordificial repistation. Seek medical attention immediately. Provide chemical label and MSD if possible.         Immediately       Remove three sonuch. If person is conscious, rise mouth with water Call physickan or poson control immediately. Provide chemical babel and MSD if possible.			
Company Identification       Fermentek IId. See page footer for contact details         Section 2. Composition/Information on Ingredient         Chemical Formula:       Cythy-Clop.         RTECS       RR105000         Section 3. Hazards Identification         EMERGENCY       Toxic (USA) Harmful (EU).         OVERVEW       May cause cancer.         Toxic (USA) Harmful (EU).       OVERVEW         OVERVEW       May cause cancer.         Toxic (USA) Harmful (EU).       OVERVEW         OVERVEW       May cause cancer.         Toxic (USA) Harmful (EU).       OVERVEW         OVERVEW       May cause drowsiness and dizeness.         Target organify       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NFPA RATING       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NEPR RATING       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         Section 4. First Aid Measures       Section 4. First Aid Measures         Eye Contact       Wash with scap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.         Skin Contact       Wash with scap and clear mouth. In figers on is conscious, rinse mouth with water Si possible.         Immediately. Provide chemical label and MSDS information if possible.       Section 5. Fire and Explosion Data         Hammability       Not Avail			
Section 2. Composition/Information on Ingredient           Chemical Formula:         C <sub>6</sub> H <sub>7</sub> Clo <sub>6</sub> RFECS         RFECS           Section 3. Hazards Identification           EMERGENC         Toxic (USA) Harmful (EU).           OVERNEW         Yao cuse cance.           Toxic if svallowed.         Trating to eyes, respiratory system and skin.           Repeated exposure may cause skin dryness or cracking.         Yaopours may cause drowsines and draziness.           Target organi3         Nerves. Liver. Probable Carlongen (US)           HMIS RATING         HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2           Section 4. First Aid Measures         Section 4. First Aid Measures           Eye Contact         Section 5. Fire and taketon immediately.           Skin Context         Wash with scap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.           Skin Context         Wash with scap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.           Inhelation         Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately.           Inhelation         Remove demutes and clear mouth. If person is consclous, rinse mouth with water Call physician or poison control immediately.           Inhelation         Section 5. Fire and Explosion Data			
Chemical Formula:       CpHy-Clop         RTECS       RR105000         Section 3. Hazards Identification         EMERGENCY       Toxic (USA) Harmful (EU), OVERVEW         OVERVEW       May cause cancer. Toxic if svallowed. Hristing to eyes, respiratory system and skin. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and diziness.         Target organisi       Nerves. Liver. Probable Carcinogen (US)         HMIS RATING       HEALTH: 2; ELAMMABILITY: 2; REACTIVITY: 2         Section 4. First Aid Measures       Section 4. First Aid Measures         Eye Context       Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Sea medical attention immediately.         Skin Context       Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.         Inholation       Remove dentures and clear mouth. It person is conscious, rinse mouth with water Cali physician or poison control immediately. Provide chemical label and MSDS information if possible.         Section 5. Fire and Explosion Data       Formmability         Flammability       Not Available         Combustion products       CO, OD, NO, NO,         Extinguishing Media       Section 6 Accidental Release Measures         Unusual Fire/Explosion       Nore known         Maxerds       Section 6 Accidental Release Measures <th>Company Identification</th> <th></th> <th></th>	Company Identification		
AFECS       RR1105000         Section 3. Hazards Identification         ENERGENCT       Toxic (USA) Harmful (EU).         OVERVIEW       May cause cancer.         Irritating to eyes, respiratory system and skin.         Repeated exposure may cause skin dryness or cracking.         Vapours may cause drowsiness and dizziness.         Target organity         NEVES. LIVE, Probable Carcinogen (US)         HMMS RATING         HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NEPA RATING         HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         Section 4. First Aid Measures         Skin Contect         Skin Contect         Wash with scopa and water for 15 minutes. Renove contaminated clothing and shoes. Seek medical attention immediately.         Inhalation         Remove form exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiraton. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Ingestion       Remove demures and dear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS if possible.         Section 5. Fire and Explosion Data       Section 15. Not Available         Commusiting media.       Carbon Dioxide, Dry chemical powder, polymer foam, water spray         Unusual Fire/Explosion       Heathin		*	n/Information on Ingredient
Section 3. Hazards Identification           EMERGENCY         Toxic (USA) Harmful (EU), OVERVIEW           OVERVIEW         May cause cance, Toxic if swallowed. Inritating to eyes, respiratory system and skin. Repeated exposure may cause drowsiness and diztness.           Target organi(S)         Neves. Live, Probable Carrinopen (US)           HMIS RATING         HEALTH: 2; ILAMMABILITY: 2; REACTIVITY: 2           NEPA RATING         HEALTH: 2; ILAMMABILITY: 2; REACTIVITY: 2           Section 4. First Aid Measures         Section 4. First Aid Measures           Eye Contact         Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.           Skin Contact         Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.           Inhalation         Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS information if possible.           Section 5. Fire and Explosion Data           Not Available           Combustion products         CO, OO, NO, NO, O, Co. Co, NO, NO, Co.           Extinguishing Medic Section 6 - Accidental Release Measures           Unusual Fire/Explosion Hearards         Section 6 - Accidental Release Measures           Unusual Fire/Explosion Hearards         Section 1 Accide not regulations concerro	Chemical Formula:		
EMERCENCY       Toxic (USA) Harmful (EU).         OVERVIEW       May cause cancer.         Toxic If Swallowed.       Irritating to eyes, respiratory system and skin.         Repeated exposure may cause drowiness and dizziness.       Nerves. Live. Probable Carrinogen (US)         HMIS RATING       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NFPA RATING       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NERVE ARATING       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NEAD AT MOM HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NEAD AT MOM HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NEAD AT MOM HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         Section 4. First A rid Measures         Eye Contact         Skin Contact         Skin Contact         May with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.         Inhalatian         Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS information if possible.         Section 5. Fire and Explosion Data         Flammability       Not Available         Cambustion product:       CO, CO, NO, NO, CO, CO, CO, NO, NO, CO, CO, CO, O, NO, CO, CO, CO, NO, NO, CO, CO, CO, NO	RTECS		
OVERVIEW       May cause cancer.         Toxic if swallowed.       Irritating to eyes, respiratory system and skin.         Repeated exposure may cause skin dryness or cracking.       Vapours may cause drowiness and dizziness.         Target organ(s)       Nerves. Liver. Probable Carcinogen (US)         HMIS RATING       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NFPA RATING       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         Section 4. First Aid Measures       Section 4. First Aid Measures         Section 4. Vande attention immediately.       Section 4. First Aid Measures         Section 5. Fire and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids.         Section 6. Seek medical attention immediately.       Skin Contact         Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Insertion       Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS information if possible.         Ingestion       Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical powder, polymer foam, water spray         Special Fielghtling       Not Available         Flash Point       Not Available         Drussual Fi			entification
Toxic If swallowed.         Irritating to eyes, respiratory system and skin.         Repeated exposure may cause skin dryness or cracking.         Vapours may cause drowsiness and diztness.         Target organ(5)         HAMS RATING         HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NPFA RATING         HEALTH: 3; FLAMMABILITY: 2; REACTIVITY: 2         NPFA RATING         Section 4. First Aid Measures         Eye Contact         Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.         Skin Contact         Wash with soga and water for 15 minutes. Remove contaminated lobting and shoes. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Ingestion       Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.         Combustion product       CO, Oo, NO, NO,         Extinguishing Media       Carbon Dioxide, Dry chemical powder, polymer foam, water spray         Specid Firefighn			
Irritating to eyes, respiratory system and skin.         Repeated exposure may cause skin dryness or cracking.         Vapours may cause drowiness and dizziness.         Torget organ(5)         Nerves. Liver. Probable Carcinogen (US)         HMIS RATING         HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NPAR RATING         HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         Section 4. First Aid Measures         Section 4. First Aid Measures         Section 5. Fire and exposure. If breathing water for at least 15 minutes separating eyelids.         Sek medical attention immediately.         Skin Contact         Unsh with scap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.         Inhelation         Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS information if possible.         Ingestion       Remove from exposure. If breathing stops, administer oxygen. If breathing the AVSDS information if possible.         Flammability       Not Available         Combustion products       CO, CO, NO, NO, C.         Extinguishing Media       Carbon Dioxide, Dry chemical powder, polymer foam, water spray         Special Firefighting       Use self-contained breathing apparatus and protective clothing to provent contact	OVERVIEW		
Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.         Torget organ(5)         Nerves. Liver. Probable Carcinogen (US)         HMIS RATING         HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         Section 4. First Aid Measures         Eye Contact         Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.         Skin Contact         Wash with scap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.         Inholation         Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Ingestion       Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.         Combustion products       Co, Co, NO,NO,         Extinguishing Media Carbon Dioxide, Dry chemical powder, polymer foam, water spray         Use self-contained breathing aparatus and protective clothing to prevent contact with skin and eyes.         Unusual Firefybring Procedures       Nene known         Waset Disposol       Nene known         Waset Disposol       Nene known         Waset Disposol       Section 6 - Accc			m and skin
Vapours may cause drowsiness and dizziness.         Target organ(s)         Nerves. Liver. Probable Carcinogen (US)         HMIS RATING         HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NEPA RATING         HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         Section 4. First Aid Measures         Eye Contact         Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.         Skin Contact         Wash with scap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Inhelation         Remove entrues and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.         Section 5. Fire and Explosion Data         Flash Point         Not Available         Flash Point         Vat valiable         Unusual Fire/Explosion         None known         Keaction 6 - Acctidental Release Measures         Unusual Fire/Explosion         None known         Keaction 7 - Handling and Storage         Procedures         Vearing appropriate protective gear as outlined under "Protective equipment" wipe up spill and place in sealed container and			
Target organ(s)       Nerves. Liver. Probable Carcinogen (US)         HMIS RATING       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NFPA RATING       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         Section 4. First Aid Measures         Eye Contact       Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.         Skin Contact       Wash with scap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.         Inhalation       Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Ingestion       Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.         Section 5. Fire and Explosion Data         Flammability       Not Available         Combustion praduets       Co, Co, No, No, Extinguishing Media         Section 6 - Accidental Release Measures         Unusual Fire/Explosion Hazards       None known         Waste Disposol       Observe all Federal, State and Local regulations concerning the disposal of this product. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed         Observe all Federal, State and Lo			
HMIS RATING       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         NFPR RATING       HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2         Section 4. First Aid Measures       Section 4. First Aid Measures         Eye Contact       Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.         Skin Contact       Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately cover from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Ingestion       Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Section 5. Fire and Explosion Data       Not Available         Not Available       Not Available         Combustion products       Co, No, NO, NO,         Carbon Diskide, Dry chemical powder, polymer foam, water spray       Special Firefighting         Procedures       Vearing appropriate protective gear as outlined under "Protective equipment" wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has bee memoved         Unsuus Fire/Explosion       None known         Section 5 - Accidental Release Measures         Waste	Target organ(s)		
Section 4. First Aid Measures           Eye Contact         Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.           Skin Contact         Wash with scop and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately           Inhalation         Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS information if possible.           Ingestion         Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.           Flammability         Not Available           Flash Point         Not Available           Combustion products         CO, Co, NO, NO, Extinguishing Media           Special Fire/Explosion Hazards         None known           Section 6 - Accidental Release Measures           Unusual Fire/Explosion Hazards         None known           Section 6 - Accidental Release Measures           Use self-contained breathing apparatus and protective clothing to product. Sweep up, pilat and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed           Waste Disposal Method         Observe all Federal, State and Local regulations concerning the disposal of this product. Sweep up, place in a bag an			
Eye Contact       Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.         Skin Contact       Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.         Inhalation       Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS information if possible.         Ingestion       Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.         Section 5. Fire and Explosion Data       Section S. Co., NO, NO,         Extinguishing Media       Carbon Dioxide, Dry chemical powder, polymer foam, water spray         Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.         Unusual Fire/Explosion       None known         Section 6 - Accidental Release Measures         Cleanup Procedures       Waste of disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed         Waste Disposal       Observe all Federal, State and Local regulations concerning the disposal of this product. Sweep up, place in a bag and hold for disposal. Avoid raising dust. Ventilate area and wash spill site after material has been removed         Waste Disposal       Desrve all Federal, State and Local regulations concerning the disposal of this	NFPA RATING		
Seek medical attention immediately.         Skin Contact       Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately         Inhalation       Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Ingestion       Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.         Section 5. Fire and Explosion Data       Section 5. Fire and Explosion Data         Flammability       Not Available         Combustion products       CO, NO, NO, 2.         Extinguishing Media       Carbon Dioxide, Dry chemical powder, polymer foam, water spray         Special Firefighting Procedures       Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.         Unusual Fire/Explosion Hazards       Wearing appropriate protective gear as outlined under "Protective equipment" wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed         Waste Disposed       Method       Method for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material has been removed         Waste Disposed       Section 7 - Handling and Storage       For spill clean up, wear suitable protective clothing, chemical resistant		Section 4. First Aid Me	easures
Skin Contact       Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately         Inhalation       Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Ingestion       Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.         Section 5. Fire and Explosion Data       Not Available         Flash Point       Not Available         Combustion products       CO, Co, NO, No, 2         Extinguishing Media       Carbon Dioxide, Dry chemical powder, polymer foam, water spray         Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.         Unusual Fire/Explosion       None known         Hazards       Wearing appropriate protective gear as outlined under "Protective equipment" wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed         Waste Disposal       Method         Method       Section 7 - Handling and Storage         Protective Equipment       For spill clean up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical asfety goggles. Self-contained breathing apparatus or NIOSH/MSHA approved respirator is recommended.	Eye Contact	Check for and remove contact lens	ses. Flush eyes with running water for at least 15 minutes separating eyelids.
immediately         Inhalation         Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Ingestion       Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.         Section 5. Fire and Explosion Data         Flammability       Not Available         Flash Point       Not Available         Combustion products       CO, CO, NO,NO2,         Extinguishing Media       Carbon Dioxide, Dry chemical powder, polymer foam, water spray         Special Firefighting Procedures       Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.         Unusual Fire/Explosion Hazards       None known         Section 6 - Accidental Release Measures       None known         Waste Disposal       Woaste disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed         Observe all Federal, State and Local regulations concerning the disposal of this product. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete         Section 7 - Handling and Storage       For spill clean up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical safety goggles. Self-contained		Seek medical attention immediate	ly.
Inhalation       Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Ingestion       Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.         Section 5. Fire and Explosion Data         Flammability       Not Available         Combustion products       CO, CO,, NO,NO2,         Extinguishing Medica       Carbon Dioxide, Dry chemical powder, polymer foam, water spray         Special Firefighting       Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.         Unusual Fire/Explosion       None known         Section 6 - Accidental Release Measures         Cleanup Procedures       Waring appropriate protective gear as outlined under "Protective equipment" wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed         Waste Disposal       Observe all Federal, State and Local regulations concerning the disposal of this product. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete         Protective Equipment       For spill clean up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical aftety goggles. Self-contained breathing apparatus or NIOSH/MSHA	Skin Contact	•	minutes. Remove contaminated clothing and shoes. Seek medical attention
respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.         Ingestion       Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.         Section 5. Fire and Explosion Data         Flammability       Not Available         Combustion products       CO, CO <sub>2</sub> , NO,NO <sub>2</sub> .         Extinguishing Media       Carbon Dioxide, Dry chemical powder, polymer foam, water spray         Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.         Unusual Fire/Explosion         None known         Bacetion 6 - Accidental Release Measures         Cleanup Procedures         Wearing appropriate protective gear as outlined under "Protective equipment" wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed         Waste Disposed       Observe all Federal, State and Local regulations concerning the disposal of this product. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete         Section 7 - Handling and Storage       For spill clean up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical safety goggles. Self-contained breathing apparatus or NIOSH/MSHA approved respirator is recommended.         Storage and Handling       This produc			
Ingestion       Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.         Section 5. Fire and Explosion Data         Flammability       Not Available         Flams Point       Not Available         Combustion products       CO, Co, NO, NO <sub>2</sub> ,         Extinguishing Media       Carbon Dioxide, Dry chemical powder, polymer foam, water spray         Special Fire/Explosion       Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.         Unusual Fire/Explosion       None known         Section 6 - Accidental Release Measures       Vearing appropriate protective gear as outlined under "Protective equipment" wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed         Waste Disposal Method       Observe all Federal, State and Local regulations concerning the disposal of this product. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete         Protective Equipment       For spill clean up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical safety goggles. Self-contained breathing apparatus or NIOSH/MSHA approved respirator is recommended.         Storage and Handling       This product should be kept in a tightly closed container. This product should be handled only by qualified	Inhalation		
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	ERMENTEK Ltd Yatziv street, Atarot industrial zone	Tel: +972 2 5853953 Fax: +972 2 5853943	

FERMENTEK Ltd 4 Yatziv street, Atarot industrial zo POB 47120 Jerusalem 97800, Israel Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: fermentek@fermentek.com Website: www.fermentek.com \\SERVER\shere Documents\Documents\QA\Product docs per product\Radicicol\MSDS-radicicol.docx



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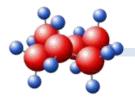
MSDS- Material Safety Data Sheet Radicicol

	eventioneed professionals. Week therewerkly ofter handling this material Store at 10°C		
	experienced professionals. Wash thoroughly after handling this material Store at -18°C		
Conoral	Section 8 - Exposure Controls / Personal protection		
General	Use only in a chemical fume hood. Safety shower and eye bath. Use adequate ventilation to keep airborne concentrations low		
Personal protective	Respiratory: Government approved respirator.		
equipment	Hand: Compatible chemical-resistant gloves.		
	Eye: Chemical safety goggles.		
	Section 9. Physical Data		
Appearance	yellow powder		
Molecular Weight			
Melting	194'c		
Solubility	DMSO, Ethanol,		
	Section 10. Stability and Reactivity Data		
Stability	This material is stable if stored as directed		
Conditions to Avoid	Excess heat, incompatible materials, strong oxidizers		
Incompatibles Hazardous	Reactive with oxidizing agents, acids, alkalis.		
polymerization	Will not occur		
	Section 11 - Toxicological Information		
RTECS#:			
Route of exposure	Skin Contact: Causes skin irritation.		
	Skin Absorption: May be harmful if absorbed through the skin.		
	Eye Contact: Causes eye irritation.		
	Inhalation: May be harmful if inhaled. Material is irritating to		
	mucous membranes and upper respiratory tract. Ingestion: Harmful if swallowed.		
TARGET ORGANS OR	Kidneys.		
SYSTEMS	Liver.		
	G.I. System.		
	Skeletal muscle.		
Signs and symptoms of	Central nervous system. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath,		
exposure	headache, nausea, and vomiting. To the best of our knowledge, the chemical, physical, and toxicological		
	properties have not been thoroughly investigated.		
	Contact with eyes can cause redness, tearing, and blurred vision.		
	Prolonged or repeated contact with skin can cause defatting and dermatitis.		
CONDITIONS	Drowsiness. Dizziness.		
AGGRAVATED BY	May cause nervous system disturbances		
EXPOSURE			
TOXICITY DATA	Oral, Mouse, LD50=300 mg/kg		
	Intravenous ;Mouse; LD50=175 MG/KG		
CHRONIC EXPOSURE - CARCINOGEN	Probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification		
CARCINOGEN	Section 12 - Ecological Data		
Ecotoxicological			
Information:	None Available		
	Section 13 - Disposal Considerations		
Appropriate method of	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material		
disposal of substance	with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.		
or preparation	Observe all federal, state, and local environmental regulations. Chemical waste generators must determine		
	whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local		
	hazardous waste regulations to ensure complete and accurate classification.		
ERMENTEKItd	Tel: 1072 2 5853053		

FERMENTEK Ltd 4 Yatziv street, Atarot industrial zone POB 47120 Jerusalem 97800, Israel Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: fermentek@fermentek.com Website: www.fermentek.com \\SERVER\shere Documents\Documents\QA\Product docs per product\Radicicol\MSDS-radicicol.docx



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	Section 14 - Transport Information	
US DOT	Proper Shipping Name: None	
	Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.	
ΙΑΤΑ	Non-Hazardous for Air Transport: Non-hazardous for air transport	
	Section 15-Regulatory Information	
US classification and	Indication of Danger: Toxic (USA) Harmful (EU).	
label text	Risk Statements: May cause cancer. Toxic if swallowed.	
	Irritating to eyes, respiratory system and skin. Repeated exposure may cause skin dryness or cracking. Vapours	
	may cause drowsiness and dizziness.	
	Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical	
	advice. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Avoid exposure -	
	obtain special instructions before use.	
	US Statements: Target organ(s): Nerves. Liver. Probable Carcinogen (US).	
United States		
regulatory information	SARA LISTED: No	
European information	Symbol of Danger: Xn	
• • •	Symbol of Danger: Xn Indication of Danger: Harmful.	
• • •	Indication of Danger: Harmful. Risk Statements: R: 22-36/37/38: Harmful if swallowed. Irritating to eyes, respiratory system and skin.	
• • •	Indication of Danger: Harmful. Risk Statements: R: 22-36/37/38: Harmful if swallowed. Irritating to eyes, respiratory system and skin. Safety Statements: S: 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical	
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