

1: Identification of substance / mixture

1. Product Identifier

Substance

Product Name **RADICICOL**
Product Code R20020
CAS Number 12772-57-5
Other Names Humicola Fuscoatra
IUPAC
MFCD Number
EC/EINECS 232-213-1
REACH Number Index-No

2. Relevant identified uses of the substance or mixture and uses advised against

For laboratory research use

3. Details of the supplier of the safety data sheet

Melford Laboratories Ltd
Bildeston Road, Chelsworth
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IP77LE
UK



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4. Emergency telephone number

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2. Hazards Identification

1. Classification of the substance or mixture

H301	Acute Tox. 3	
H315	Skin Irrit. 2	
H319	Eye Irrit. 2	
H335	STOT SE 3	
H340	Muta. 1A	
H351	Carc. 2	
H361	Repr. 2	
H373	STOT RE 2	

2. Label elements

Signal Word **Danger**



Hazard Statements

H301	Toxic if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H340	May cause genetic defects ..
H351	Suspected of causing cancer ..
H361	Suspected of damaging fertility or the unborn child ..
H373	May cause damage to organs ..

Precautionary Phrases

P201	Obtain special instructions before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.

3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

3. Composition / Information on Ingredients

1. Substances

Product Name	Hazards	Concentration
RADICICOL		
CAS Number: 12772-57-5 EC/EINECS: 232-213-1	H301, H315, H319, H335, H340, H351, H361, H373 Acute Tox. 3, Carc. 2, Eye Irrit. 2, Muta. 1A, Repr. 2, Skin Irrit. 2, STOT RE 2, STOT SE 3	<=100%

4. First Aid Measures

1. Description of first aid measures

<i>Skin Contact</i>	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.
<i>Eye Contact</i>	P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Bathe the eye with running water for 15 minutes. Ensure adequate flushing by separating the eyelids with fingers Consult a doctor.
<i>Ingestion</i>	P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting unless directed to do so by medical personnel. Wash out mouth with water. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.
<i>Inhalation</i>	Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Consult a doctor.

2. Most important symptoms and effects

P308 + P313: IF exposed or concerned: Get medical advice/attention.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly tested.

3. Indication of any immediate medical attention

Show this data sheet to the doctor in attendance.
Immediate medical attention is required.

5. Firefighting measures

1. Extinguishing Media

Suitable Water spray.
Carbon dioxide.
Dry chemical powder.
Alcohol or polymer foam.

Unsuitable No data available

2. Special Hazards arising from the substance or mixture

In combustion may emit toxic fumes:
Carbon Oxides, Hydrogen Chloride gas.

3. Advice for Fire Fighters

Wear self-contained breathing apparatus.
Wear protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

1. Personal Precautions

Refer to section 8 of SDS for personal protection details.
Mark out the contaminated area with signs and prevent access to unauthorised personnel.

2. Environmental Precautions

Do not discharge into drains or rivers.

3. Methods & Materials

Transfer to a closable, labelled salvage container for disposal by an appropriate method.
Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

4. Preventing the occurrence of secondary hazards.

Clean up all spills immediately. Wear suitable PPE.
Do not create dusts.

7. Handling and Storage

1. Personal Precautions

Safe Handling Use in a chemical fume hood with air supplied by an independent system.
Avoid direct contact with the substance.
Avoid the formation or spread of dust in the air.
Avoid the formation or spread of mists in the air.
Avoid prolonged or repeated exposure.
P201: Obtain special instructions before use.

Protection against explosions and fires Normal measures for preventive fire protection.

2. Conditions for safe storage, including any incompatibilities

Managing Storage Risks Store at -20°C

Storage Controls Keep container tightly closed.

Maintaining Integrity No special requirements

Other advice no further information available

3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

8. Exposure Controls/Personal Protection

1. Control Parameters

No Data Available

2. Exposure Controls

<i>General protective and hygiene measures</i>	The standard precautionary measures should be adhered to when handling
<i>Engineering measures</i>	Use in a chemical fume hood with air supplied by an independent system.
<i>Eye / Face Protection</i>	Safety Glasses with side-shields. Ensure eye bath is to hand. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)
<i>Hand protection</i>	Protective 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 accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it
<i>Respiratory protection</i>	P260: Do not breathe dust/fume/gas/mist/vapours/spray. Respiratory protective device with particle filter. Use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<i>Skin protection</i>	Protective clothing with elasticated cuffs and closed neck. PVC apron covering the tops of the boots. Boots made of PVC. Ensure safety shower is to hand. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<i>Other personal protection advice</i>	no data

9. Physical and Chemical Properties

1. Physical and Chemical Properties

Appearance	solid
Odour	No Data Available
Odour threshold	No Data Available
PH	No Data Available
Melting point / Freezing point	No Data Available
Initial boiling point and boiling range	No Data Available
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability(solid,gas)	No Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour density	No Data Available
Relative density	No Data Available
Solubility(ies):	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available

2. Other Information

No additional information available

10. Stability and Reactivity

1. Reactivity

no data available

2. Stability

Stable under recommended storage conditions.

3. Possibility of Hazardous Reactions

no data available

4. Conditions to Avoid

no data available

5. Incompatible Materials

Strong oxidizing agents.

6. Hazardous Decomposition Products

In combustion may emit toxic fumes.

11. Toxicology information

1. Information

<i>Acute Toxicity</i>	LD50 Oral 300mg/kg (mouse)
<i>Skin corrosion/irritation</i>	no data available
<i>Serious eye Damage/irritation</i>	no data available
<i>Respiratory or skin sensitisation</i>	no data available
<i>Germ Cell mutagenicity</i>	no data available
<i>Carcinogenicity</i>	IARC: 2B -Group 2B: Possibly carcinogenic to humans (Ligroine) 3 -Group 3: Not classifiable as to its carcinogenicity to humans (Ligroine)
<i>Reproductive toxicity</i>	not known
<i>STOT-single exposure</i>	not known
<i>STOT-repeated exposure</i>	not known
<i>Aspiration hazard</i>	not known

2. Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

12. Ecological Information

1. Toxicity

not known

2. Persistence and degradability

not known

3. Bio-Accumulative Potential

not known

4. Mobility and Soil

not known

5. Results of PBT & vPvB assessment

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

6. Other adverse effects

not known

13. Disposal Considerations

1. Waste Treatment Methods

Disposal Operations Consult state, local or national regulations for proper disposal.

Disposal of Packaging Disposal must be made according to official regulations.

14. Transport Information

Air (ICAO)

1. **UN Number:** 2811
2. **Shipping Name:** Toxic solid, organic, n.o.s.
3. **Transport hazard class(es):** : 6.1 Sub Class :



4. **Packing group:** III
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:**

Road (ADR)

1. **UN Number:** 2811
2. **Shipping Name:** TOXIC SOLID, ORGANIC, N.O.S (RADICICOL).
3. **Transport hazard class(es):** : 6 Sub Class :



4. **Packing group:** III
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:**

Sea (IMDG)

1. **UN Number:** 2811
2. **Shipping Name:** Toxic solid, organic, n.o.s.
3. **Transport hazard class(es):** : 6.1 Sub Class :



4. **Packing group:** III
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:** IBCINS: IBC08
IBCPPROV: B3
TANKPROV: TP33

15. Safety, health, environmental and national regulations

1. Safety, health, environmental and national regulations:

product is not subject to any additional regulations or provisions

2. Safety Assessment

No Chemical Safety Assessment

16. Other Information

1. Other Information:

ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road)

RID:Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association

ICAO:International Civil Aviation Organization

ICAO-TI: Technical Instructions by the ICAO

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS:Chemical Abstracts Service

3. Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.